

FCC RF Test Report

For

Beijing InHand Networks Technology Co., Ltd.

Test Standards:	<u>FCC 47 CFR Part 2, 22(H), 24(E), 27(C), 90(S), RSS-130 Issue 2, RSS-132 Issue 4, RSS-133 Issue 6, RSS-139 Issue 4</u>
Product Name:	<u>Vehicle Telematics</u>
Model Name:	<u>VT200</u>
P/N or HVIN:	<u>FQ33,FQ33-BAT,FQ33-ANT,FQ33-ANT-BAT</u>
Brand Name:	
FCC ID:	<u>2AANY-VT2FQ33</u>
IC:	<u>11594A-VT2FQ33</u>
Classification	<u>PCS Licensed Transmitter (PCB)</u>
Report No.:	<u>EC2303010RF01</u>
Tested Date:	<u>2023-03-10 to 2023-04-25</u>
Issued Date:	<u>2023-04-25</u>
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Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Hunan Ecloud Testing Technology Co., Ltd., the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2023.04.25	Valid	Original Report

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Summary Of Test Result

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
4.2	§2.1046	RSS-130 4.6 RSS-132 5.4 RSS-133 6.4 RSS-139 6.5	Conducted Output Power	Reporting Only	PASS	Test Engineer: Luo Xiang
	§22.913(a)(5)	RSS-132 5.4	Effective Radiated Power WCDMA Band V LTE(Band 5) (Band 26)	ERP < 7 Watt	PASS	Test Engineer: Luo Xiang
	§27.50(c)(10)	RSS-130 4.6	Effective Radiated Power LTE(Band 12)	ERP < 3 Watt	PASS	Test Engineer: Luo Xiang
	§27.50(b)(10)	RSS-130 4.6	Effective Radiated Power LTE (Band 13)	ERP < 3 Watt	PASS	Test Engineer: Luo Xiang
	§24.232(c)	RSS-133 6.4	Equivalent Isotropic Radiated Power WCDMA Band II LTE (Band 2)(Band 25)	EIRP < 2Watt	PASS	Test Engineer: Luo Xiang
	§27.50(d)(4)	RSS-130 4.6 RSS-139 6.5	Equivalent Isotropic Radiated Power WCDMA Band IV LTE(Band 4)	EIRP < 1Watt	PASS	Test Engineer: Luo Xiang
	§90.635(d)	N/A	Effective Radiated Power LTE (Band 26)	< 100Watt	PASS	Test Engineer: Luo Xiang
4.3	§22.913(d) §24.232(d) §27.50(d) KDB 971168 D01(5.7)	RSS-130 4.6 RSS-132 5.4 RSS-133 6.4 RSS-139 6.5	Peak-to-Average Ratio	< 13 dB	PASS	Test Engineer: Luo Xiang
4.4	§2.1049	RSS-Gen 6.7	Occupied Bandwidth	Reporting Only	PASS	Test Engineer: Luo Xiang

4.5	§2.1051 §22.917(a) §24.238(a) §27.53(c) §27.53(g) §27.53(h) §27.53(f)	RSS-133 6.5 RSS-130 4.7 RSS-139 6.6 RSS-132 5.5	Conducted Band Edge Measurement	$< 43+10\log_{10}(P[\text{Watts}])$	PASS	Test Engineer: Luo Xiang
	§90.691(a)	N/A		$< 116\log_{10}(f/6.1)\text{or}$ $50+10\log_{10}(P[\text{Watts}])$	PASS	Test Engineer: Luo Xiang
4.6	§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(f)	RSS-133 6.5 RSS-130 4.7 RSS-139 6.6 RSS-132 5.5	Conducted Spurious Emission	$< 43+10\log_{10}(P[\text{Watts}])$	PASS	Test Engineer: Luo Xiang
4.7	§2.1055 §22.355	RSS-Gen 6.11	Frequency Stability for Temperature & Voltage	$< 2.5 \text{ ppm}$	PASS	Test Engineer: Luo Xiang
	§2.1055 §22.355 §24.235 §27.54 §90.213	RSS-130 4.5 RSS-139 6.4 RSS-132 5.3 RSS-133 6.3		Within Authorized Band		
4.8	N/A	RSS-Gen 7.2	AC Conducted Emission	RSS-Gen 7.2	N/A	-
5.1	§2.1053 §22.917(a) §24.238(a) §27.53(g) §27.53(h) §27.53(f)	RSS-133 6.5 RSS-130 4.7 RSS-139 6.6 RSS-132 5.5	Radiated Spurious Emission	$< 43+10\log_{10}(P[\text{Watts}])$	PASS	Under limit 13.35 dB at 17940 MHz Test Engineer: Jack Liu
5.2	N/A	RSS-Gen 7.3	Receiver Spurious Emissions	RSS-Gen 7.3	PASS	Under limit 17.50 dB at 33.211 MHz Test Engineer: Jack Liu

1 Test Laboratory

1.1 Test facility

CNAS (accreditation number: L11138)

Hunan Ecloud Testing Technology Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

FCC (Designation number: CN1244 , Test Firm Registration Number: 793308)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

ISED(CAB identifier: CN0012, ISED# :24347)

Hunan Ecloud Testing Technology Co., Ltd. has been listed on the Wireless Device Testing Laboratories list of innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements.

A2LA (Certificate Code : 4895.01)

Hunan Ecloud Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

2 General Description

2.1 Applicant

Beijing InHand Networks Technology Co., Ltd.

Room 501, floor 5, building 3, yard 18, ziyue road, chaoyang district, Beijing

2.2 Manufacturer

Beijing InHand Networks Technology Co., Ltd.

Room 501, floor 5, building 3, yard 18, ziyue road, chaoyang district, Beijing

2.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Vehicle Telematics
Model Name	VT200
P/N or HVIN:	FQ33,FQ33-BAT,FQ33-ANT,FQ33-ANT-BAT
Difference Description	-ANT represents external antenna, without adding - ANT represents internal antenna, - BAT represents internal battery, without adding - BAT represents no battery
Power Supply	9~36Vdc
FCC ID	2AANY-VT2FQ33
IC	11594A-VT2FQ33
EUT supports Radios application	WCDMA/HSPA/LTE
IMEI Code	864049051063206 for External Antenna 864049051063321 for Internal Antenna
HW Version	V1.1
SW Version	V1.2
EUT Stage	Production Unit
Sample no.	2303010R-1/2~2/2
Sample Received Date	2023-03-10

Remark:

1. The above EUT information is declared by manufacturer. Our laboratory is not responsible for the information provided by the manufacturer.
2. Pre-scan all voltages, the report only lists the worst voltage DC12V test results.
3. There are four types of EUT, FQ33 is an internal antenna without a battery, FQ33-BAT is an internal antenna with a battery, FQ33-ANT is an external antenna without a battery, and FQ33-ANT-BAT is an external antenna with a battery. The conducted item in the report only lists the worst data of FQ33-ANT-BAT type, and the radiation item only lists the test data of FQ33-BAT and FQ33-ANT-BAT types. Please refer to Appendix A for radiation difference data
4. Built in battery, only supplying power to the communication module, and DC power supply is required for normal operation mode
5. The EUT was investigated in three orthogonal orientations X/Y/Z on antennas. For antenna, it was determined that worst-case orientation Y (Landscape) orientation for EUT.

2.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	WCDMA Band II: 1852.4 MHz ~ 1907.6MHz WCDMA Band IV: 1712.4 MHz ~ 1752.6MHz WCDMA Band V: 826.4 MHz ~ 846.6MHz LTE Band 2: 1850.7 MHz ~ 1909.3MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 25 : 1850.7MHz ~ 1914.3 MHz LTE Band 26 : 814.7MHz ~ 823.3 MHz LTE Band 26 : 824.7MHz ~ 848.3 MHz
Rx Frequency	WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz WCDMA Band IV: 2112.4 MHz ~ 2152.6 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 25 : 1930.7 MHz ~ 1994.3 MHz LTE Band 26 : 859.7MHz ~ 868.3 MHz LTE Band 26 : 869.7 MHz ~ 893.3 MHz
Bandwidth	WCDMA Band II: 5MHz WCDMA Band IV: 5MHz WCDMA Band V: 5MHz LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz
Maximum EIRP Power	LTE Band 2: 25.46 dBm LTE Band 4: 25.71 dBm LTE Band 25: 25.37 dBm WCDMA Band II: 25.71 dBm WCDMA Band IV: 25.88 dBm
Maximum ERP Power	WCDMA Band V: 24.49 dBm LTE Band 5: 24.31 dBm LTE Band 12: 24.43 dBm LTE Band 13: 25.37 dBm LTE Band 26@22: 24.17 dBm LTE Band 26@90: 24.19 dBm
Antenna Type	Patch Antenna for External Antenna Ceramic Chip Antenna for Internal Antenna

Antenna Gain (Main)	Patch Antenna	1.23 dBi
	Ceramic Chip Antenna	3.2 dBi
Type of Modulation	WCDMA: BPSK/QPSK LTE: QPSK/16QAM	
LTE Category	1	
HSDPA UE Category	24	
HSUPA UE Category	6	

Note:

For LTE, 16QAM only supports 25%RB

The maximum antenna gain 3.2dBi is used in the report to evaluate Conducted and Radiated tests

For LTE Band 26 : 814.7MHz ~ 823.3 MHz is limited to FCC use only. IC Canada does not support this frequency band, and the firmware of products sold in this region will block this frequency band.

2.5 Modification of EUT

No modifications are made to the EUT during all test items.

2.6 Applicable Standards

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

- ♦ 47 CFR Part 2, 22(H), 24(E), 27(C), 90(S)
- ♦ RSS-Gen Issue 5, Amendment 2, February 2021
- ♦ RSS-130 Issue 2, February 2019
- ♦ RSS-132 Issue 4 January 2023
- ♦ RSS-133 Issue 6, Amendment 1, January 2018
- ♦ RSS-139 Issue 4, September 2022
- ♦ ANSI C63.4-2014
- ♦ ANSI / TIA / EIA-603-E-2016
- ♦ ANSI C63.26-2015

FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, and ICES-003 recorded in a separate test report.

3 Test Configuration of Equipment Under Test

3.1 Test Mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated from 30 MHz to 10th harmonic.

Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	Radiated TCs	Conducted TCs
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band IV	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

Test Items	Band	Bandwidth(MHz)						Modulation		RB#			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power and E.R.P./ E.I.R.P.	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	5	•	•	•	•	-	-	•	•	•	•	•	•	•	•
	12	•	•	•	•	-	-	•	•	•	•	•	•	•	•
	13	-	-	•	•	-	-	•	•	•	•	•	•	•	•
	25	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	26@22	•	•	•	•	•	-	•	•	•	•	•	•	•	•
	26@90	•	•	•	•	-	-	•	•	•	•	•	•	•	•
Peak-to-Average Ratio	2	•	•	•	•	•	•	•	•	•	-	•	•	•	•
	4	•	•	•	•	•	•	•	•	•	-	•	•	•	•
	5	•	•	•	•	-	-	•	•	•	-	•	•	•	•
	12	•	•	•	•	-	-	•	•	•	-	•	•	•	•
	13	-	-	•	•	-	-	•	•	•	-	•	•	•	•
	25	•	•	•	•	•	•	•	•	•	-	•	•	•	•
	26@22	•	•	•	•	•	-	•	•	•	-	•	•	•	•
	26@90	•	•	•	•	-	-	•	•	•	-	•	•	•	•
26dB and 99%	2	•	•	•	•	•	•	•	•	-	-	•	•	•	•
	4	•	•	•	•	•	•	•	•	-	-	•	•	•	•

Bandwidth	5	•	•	•	•	-	-	•	•	-	-	•	•	•	•
	12	•	•	•	•	-	-	•	•	-	-	•	•	•	•
	13	-	-	•	•	-	-	•	•	-	-	•	•	•	•
	25	•	•	•	•	•	•	•	•	-	-	•	•	•	•
	26@22	•	•	•	•	•	-	•	•	-	-	•	•	•	•
	26@90	•	•	•	•	-	-	•	•	-	-	•	•	•	•
Conducted Band Edge	2	•	•	•	•	•	•	•	•	•	-	•	•	•	•
	4	•	•	•	•	•	•	•	•	•	-	•	•	•	•
	5	•	•	•	•	-	-	•	•	•	-	•	•	•	•
	12	•	•	•	•	-	-	•	•	•	-	•	•	•	•
	13	-	-	•	•	-	-	•	•	•	-	•	•	•	•
	25	•	•	•	•	•	•	•	•	•	-	•	•	•	•
	26@22	•	•	•	•	•	-	•	•	•	-	•	•	•	•
	26@90	•	•	•	•	-	-	•	•	•	-	•	•	•	•
Conducted Spurious Emission	2	•	•	•	•	•	•	•	•	•	-	•	•	•	•
	4	•	•	•	•	•	•	•	•	-	-	•	•	•	•
	5	•	•	•	•	-	-	•	•	-	-	•	•	•	•
	12	•	•	•	•	-	-	•	•	-	-	•	•	•	•
	13	-	-	•	•	-	-	•	•	-	-	•	•	•	•
	25	•	•	•	•	•	•	•	•	-	-	•	•	•	•
	26@22	•	•	•	•	•	-	•	•	-	-	•	•	•	•
	26@90	•	•	•	•	-	-	•	•	-	-	•	•	•	•
Frequency Stability	2	•	•	•	•	•	•	•	•	-	-	•	•	•	•
	4	•	•	•	•	•	•	•	•	-	-	•	•	•	•
	5	•	•	•	•	-	-	•	•	-	-	•	•	•	•
	12	•	•	•	•	-	-	•	•	-	-	•	•	•	•
	13	-	-	•	•	-	-	•	•	-	-	•	•	•	•
	25	•	•	•	•	•	•	•	•	-	-	•	•	•	•
	26@22	•	•	•	•	•	-	•	•	-	-	•	•	•	•
	26@90	•	•	•	•	-	-	•	•	-	-	•	•	•	•
Radiated Spurious Emission	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	5	•	•	•	•	-	-	•	•	•	•	•	•	•	•
	12	•	•	•	•	-	-	•	•	•	•	•	•	•	•
	13	-	-	•	•	-	-	•	•	•	•	•	•	•	•
	25	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	26@22	•	•	•	•	•	-	•	•	•	•	•	•	•	•

	26@90	•	•	•	•	-	-	•	•	•	•	•	•	•
Note	- The mark "•" means that this configuration is chosen for testing. - The mark "-" means that this bandwidth is not supported. - The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. - For LTE, 16QAM only supports 25%RB													

3.1.1 Receiver Radiated Emission Test

Radiated Test Cases	Receiver Radiated Emission
	Mode 1: LTE Band 2 Idle + GPS

- Note : 1. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, XYZ axis, antenna ports (if EUT with antenna diversity architecture) and packet type. Z orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in Z orientation.
2. Following channel(s) was (were) selected for the final test as listed above

3.2 Frequency List of Low/Middle/High Channels

For WCDMA

WCDMA Band II Channel	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	9263	1852.6	9663	1932.6
Middle Range	9400	1880	9800	1960
High Range	9537	1909.4	9937	1987.4

WCDMA Band IV Channel	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1313	1712.6	1538	2112.6
Middle Range	1450	1740.0	1675	2140.0
High Range	1512	1752.4	1737	2152.4

WCDMA Band V Channel	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	4133	826.6	4358	871.6
Middle Range	4175	835	4400	880
High Range	4232	846.4	4457	891.4

For LTE

LTE Band 2 Channel	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	18607	1850.7	607	1930.7
	3	18615	1851.5	615	1931.5
	5	18625	1852.5	625	1932.5
	10	18650	1855	650	1935
	15	18675	1857.5	675	1937.5
	20	18700	1860	700	1940
Middle Range	1.4/3/5/10/15/20	18900	1880	900	1960
High Range	1.4	19193	1909.3	1193	1989.3
	3	19185	1908.5	1185	1988.5
	5	19175	1907.5	1175	1987.5
	10	19150	1905	1150	1985
	15	19125	1902.5	1125	1982.5
	20	19100	1900	1100	1980

LTE Band 4 Channel	Bandwidth[MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	19957	1710.7	1957	2110.7
	3	19965	1711.5	1965	2111.5
	5	19975	1712.5	1975	2112.5
	10	20000	1715	2000	2115
	15	20025	1717.5	2025	2117.5
	20	20050	1720	2050	2120
Middle Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
High Range	1.4	20393	1754.3	2393	2154.3
	3	20385	1753.5	2385	2153.5
	5	20375	1752.5	2375	2152.5
	10	20350	1750	2350	2150
	15	20325	1747.5	2325	2147.5
	20	20300	1745	2300	2145

LTE Band 5 Channel	Bandwidth[MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	20407	824.7	2407	869.7
	3	20415	825.5	2415	870.5
	5	20425	826.5	2425	871.5
	10	20450	829	2450	874
Middle Range	1.4/3/5/10	20525	836.5	2525	881.5
High Range	1.4	20643	848.3	2643	893.3
	3	20635	847.5	2635	892.5
	5	20625	846.5	2625	891.5
	10	20600	844	2600	889

LTE Band 12 Channel	Bandwidth[MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	23017	699.7	5017	729.7
	3	23025	700.5	5025	730.5
	5	23035	701.5	5035	731.5
	10	23060	704	5060	734
Middle Range	1.4/3/5/10	23095	707.5	5095	737.5
High Range	1.4	23173	715.3	5173	745.3
	3	23165	714.5	5165	744.5
	5	23155	713.5	5155	743.5
	10	23130	711	5130	741

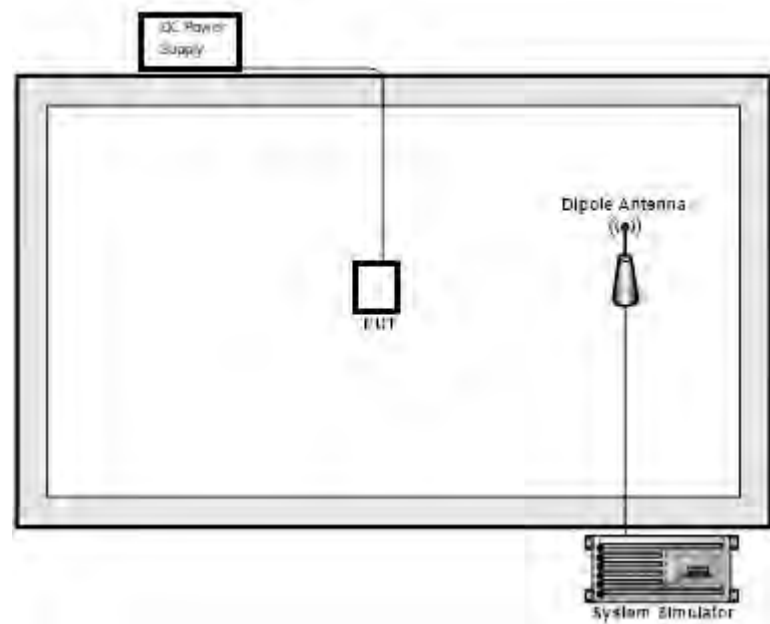
LTE Band 13 Channel	Bandwidth[MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	5	23205	779.5	5205	748.5
	10	23230	782	5230	751
Middle Range	5/10	23230	782	5230	751
High Range	5	23255	784.5	5255	753.5
	10	23230	782	5230	751

LTE Band 25 Channel	Bandwidth[MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	26047	1850.7	8047	1930.7
	3	26055	1851.5	8055	1931.5
	5	26065	1852.5	8065	1932.5
	10	26090	1855	8090	1935
	15	26115	1857.5	8115	1937.5
	20	26140	1860	8140	1940
Middle Range	1.4/3/5/10/15/20	26365	1882.5	8365	1962.5
High Range	1.4	26683	1914.3	8683	1994.3
	3	26675	1913.5	8675	1993.5
	5	26665	1912.5	8665	1992.5
	10	26640	1910	8640	1990
	15	26615	1907.5	8615	1987.5
	20	26590	1905	8590	1985

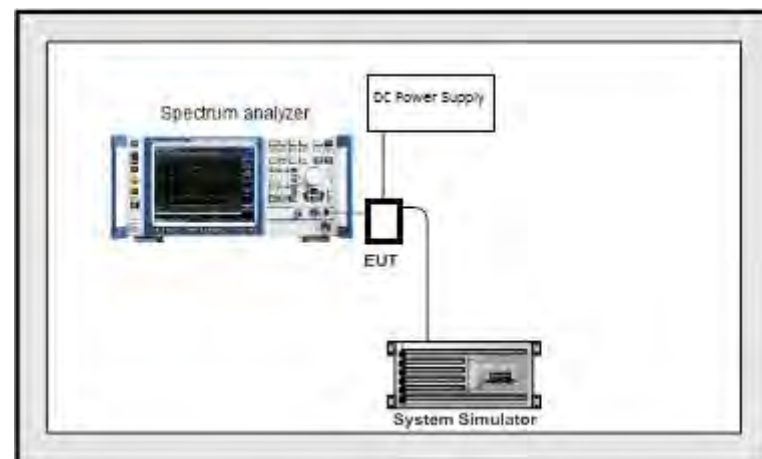
LTE Band 26 Channel @FCC Part 22	Bandwidth[MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	26797	824.7	8797	869.7
	3	26805	825.5	8805	870.5
	5	26815	826.5	8815	871.5
	10	26840	829	8840	874
	15	26865	831.5	8865	876.5
Middle Range	1.4/3/5/10/15	26915	836.5	8865	876.5
High Range	1.4	27033	848.3	9033	893.3
	3	27025	847.5	9025	892.5
	5	27015	846.5	9015	891.5
	10	26990	844	8990	889
	15	26965	841.5	8965	886.5

LTE Band 26 Channel @FCC Part 90	Bandwidth[MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	1.4	26697	814.7	8697	859.7
	3	26705	815.5	8705	860.5
	5	26715	816.5	8715	861.5
	10	26740	819	8740	864
Middle Range	1.4/3/5/10	26740	819	8865	876.5
High Range	1.4	26783	823.3	8783	868.3
	3	26775	822.5	8775	867.5
	5	26765	821.5	8765	866.5
	10	26740	819	8740	864

3.3 Connection Diagram of Test System



Radiated Setup



Conducted Setup

3.4 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 500	N/A	N/A	Unshielded, 1.8 m
2.	DC Power Supply	Keysight	E3642A	N/A	N/A	Unshielded, 1.8 m

3.5 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.5 dB and a 10dB attenuator.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.5 + 10 = 14.5 \text{ (dB)}\end{aligned}$$

For all radiated test items:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

Over Limit (dB μ V/m) = Level(dB μ V/m) - Limit Level (dB μ V/m)

4 Conducted Test Result

4.1 Measuring Instruments

See list of measuring instruments of this test report.

4.2 Conducted Output Power and E.R.P./E.I.R.P.

4.2.1 Description of the Conducted Output Power

All LTE bands conducted average power is obtained from the CMW500 telecommunication test set.

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 1, 2 and 3

Modulation	Channel bandwidth / Transmission bandwidth (N_{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3
256 QAM	≥ 1						≤ 5

4.2.2 E.R.P. /E.I.R.P. Limit

FCC: §2.1046, §22.913, §24.232, §27.50

IC: RSS-132 5.4, RSS-130 4.6, RSS-130 4.6, RSS-133 6.4, RSS-130 4.6, RSS-139 6.5

22.913(a) - The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts

24.232(c) - Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications

27.50 (c) (10) the following power and antenna height requirements apply to stations transmitting in

the 698–746 MHz band, the portable stations (hand-held devices) are limited to 3 watts ERP.

27.50 (b)(10) Portable stations (hand-held devices) transmitting in the 746–757 MHz, 758–763 MHz, 776–793 MHz, and 805–806 MHz bands are limited to 3 watts ERP.

27.50 (d)(4) The following power and antenna height requirements apply to stations transmitting in the 1710–1755 MHz and 2110–2155 MHz bands: Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP

90.635 (b)The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

4.2.3 Test Procedures

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

4.2.4 Test Setup



4.2.5 Test Results

WCDMA

Band	Channel	Power(dBm)	E.R.P./E.I.R.P.(dBm)	Limit(dBm)	Verdict
Band2	9262	22.26	25.46	33.01	PASS
Band2	9400	22.49	25.69	33.01	PASS
Band2	9538	22.51	25.71	33.01	PASS
Band4	1312	22.57	25.77	30	PASS
Band4	1413	22.68	25.88	30	PASS
Band4	1513	22.44	25.64	30	PASS
Band5	4132	23.34	24.39	38.45	PASS
Band5	4183	23.21	24.26	38.45	PASS
Band5	4233	23.44	24.49	38.45	PASS

Band	Channel	SubTest	Power(dBm)	E.R.P./E.I.R.P.(dBm)	Limit(dBm)	Verdict
Band2	9262	1	22.08	25.28	33.01	PASS
Band2	9262	2	21.88	25.08	33.01	PASS
Band2	9262	3	21.9	25.1	33.01	PASS
Band2	9262	4	21.92	25.12	33.01	PASS
Band2	9400	1	22.28	25.48	33.01	PASS
Band2	9400	2	22.11	25.31	33.01	PASS
Band2	9400	3	22.13	25.33	33.01	PASS
Band2	9400	4	22.16	25.36	33.01	PASS
Band2	9538	1	22.24	25.44	33.01	PASS
Band2	9538	2	22.15	25.35	33.01	PASS
Band2	9538	3	22.07	25.27	33.01	PASS
Band2	9538	4	22.08	25.28	33.01	PASS
Band4	1312	1	22.49	25.69	30	PASS
Band4	1312	2	22.05	25.25	30	PASS
Band4	1312	3	22.08	25.28	30	PASS
Band4	1312	4	22.02	25.22	30	PASS
Band4	1413	1	22.45	25.65	30	PASS
Band4	1413	2	22	25.2	30	PASS
Band4	1413	3	22.03	25.23	30	PASS
Band4	1413	4	22.01	25.21	30	PASS
Band4	1513	1	22.18	25.38	30	PASS
Band4	1513	2	21.79	24.99	30	PASS
Band4	1513	3	21.75	24.95	30	PASS
Band4	1513	4	21.86	25.06	30	PASS
Band5	4132	1	23.35	24.4	38.5	PASS
Band5	4132	2	22.72	23.77	38.5	PASS
Band5	4132	3	22.78	23.83	38.5	PASS
Band5	4132	4	22.8	23.85	38.5	PASS
Band5	4183	1	23.24	24.29	38.5	PASS
Band5	4183	2	22.74	23.79	38.5	PASS
Band5	4183	3	22.78	23.83	38.5	PASS
Band5	4183	4	22.8	23.85	38.5	PASS
Band5	4233	1	23.28	24.33	38.5	PASS
Band5	4233	2	22.88	23.93	38.5	PASS
Band5	4233	3	22.83	23.88	38.5	PASS

Band5	4233	4	22.84	23.89	38.5	PASS
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LTE Cat 1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	E.R.P./ E.I.R.P. (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	21.8	25	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	21.9	25.1	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	21.89	25.09	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.02	25.22	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	21.8	25	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	21.94	25.14	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	20.79	23.99	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.15	25.35	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	22.2	25.4	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.12	25.32	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	21.98	25.18	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	21.97	25.17	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.05	25.25	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.18	24.38	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	21.9	25.1	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	21.92	25.12	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	21.95	25.15	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.09	25.29	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.26	25.46	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.11	25.31	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.19	24.39	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.05	24.25	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	21.14	24.34	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	20.92	24.12	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	20.9	24.1	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	20.79	23.99	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	20.9	24.1	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	19.77	22.97	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.44	24.64	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.41	24.61	PASS

Band2	1.4MHz	16QAM	18900	1RB#5	21.26	24.46	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	20.92	24.12	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	20.86	24.06	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	20.99	24.19	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.25	23.45	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.22	24.42	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.31	24.51	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.2	24.4	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.2	24.4	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.03	24.23	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	20.98	24.18	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.11	23.31	PASS
Band2	3MHz	QPSK	18615	1RB#0	21.93	25.13	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.05	25.25	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.07	25.27	PASS
Band2	3MHz	QPSK	18615	8RB#0	20.9	24.1	PASS
Band2	3MHz	QPSK	18615	8RB#4	20.9	24.1	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.01	24.21	PASS
Band2	3MHz	QPSK	18615	15RB#0	20.98	24.18	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.06	25.26	PASS
Band2	3MHz	QPSK	18900	1RB#8	21.93	25.13	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.2	25.4	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.14	24.34	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.16	24.36	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.16	24.36	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.14	24.34	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.1	25.3	PASS
Band2	3MHz	QPSK	19185	1RB#8	21.91	25.11	PASS
Band2	3MHz	QPSK	19185	1RB#14	21.84	25.04	PASS
Band2	3MHz	QPSK	19185	8RB#0	21.13	24.33	PASS
Band2	3MHz	QPSK	19185	8RB#4	21.14	24.34	PASS
Band2	3MHz	QPSK	19185	8RB#7	21.19	24.39	PASS
Band2	3MHz	QPSK	19185	15RB#0	21.07	24.27	PASS
Band2	3MHz	16QAM	18615	1RB#0	20.92	24.12	PASS
Band2	3MHz	16QAM	18615	1RB#8	20.91	24.11	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.41	24.61	PASS

Band2	3MHz	16QAM	18615	8RB#0	20.07	23.27	PASS
Band2	3MHz	16QAM	18615	8RB#4	19.99	23.19	PASS
Band2	3MHz	16QAM	18615	8RB#7	20.09	23.29	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.03	23.23	PASS
Band2	3MHz	16QAM	18900	1RB#0	21.23	24.43	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.2	24.4	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.4	24.6	PASS
Band2	3MHz	16QAM	18900	8RB#0	20.19	23.39	PASS
Band2	3MHz	16QAM	18900	8RB#4	20.28	23.48	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.3	23.5	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.07	23.27	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.39	24.59	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.3	24.5	PASS
Band2	3MHz	16QAM	19185	1RB#14	21.21	24.41	PASS
Band2	3MHz	16QAM	19185	8RB#0	20.25	23.45	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.25	23.45	PASS
Band2	3MHz	16QAM	19185	8RB#7	20.13	23.33	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.05	23.25	PASS
Band2	5MHz	QPSK	18625	1RB#0	21.92	25.12	PASS
Band2	5MHz	QPSK	18625	1RB#12	21.98	25.18	PASS
Band2	5MHz	QPSK	18625	1RB#24	21.97	25.17	PASS
Band2	5MHz	QPSK	18625	12RB#0	20.84	24.04	PASS
Band2	5MHz	QPSK	18625	12RB#6	20.84	24.04	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.08	24.28	PASS
Band2	5MHz	QPSK	18625	25RB#0	20.96	24.16	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.13	25.33	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.06	25.26	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.19	25.39	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.02	24.22	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.04	24.24	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.07	24.27	PASS
Band2	5MHz	QPSK	18900	25RB#0	21	24.2	PASS
Band2	5MHz	QPSK	19175	1RB#0	21.9	25.1	PASS
Band2	5MHz	QPSK	19175	1RB#12	21.92	25.12	PASS
Band2	5MHz	QPSK	19175	1RB#24	21.91	25.11	PASS
Band2	5MHz	QPSK	19175	12RB#0	20.99	24.19	PASS

Band2	5MHz	QPSK	19175	12RB#6	20.99	24.19	PASS
Band2	5MHz	QPSK	19175	12RB#13	20.88	24.08	PASS
Band2	5MHz	QPSK	19175	25RB#0	20.96	24.16	PASS
Band2	5MHz	16QAM	18625	1RB#0	21.04	24.24	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.06	24.26	PASS
Band2	5MHz	16QAM	18625	1RB#24	21.21	24.41	PASS
Band2	5MHz	16QAM	18625	12RB#0	19.87	23.07	PASS
Band2	5MHz	16QAM	18625	12RB#6	19.96	23.16	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.02	23.22	PASS
Band2	5MHz	16QAM	18625	25RB#0	19.99	23.19	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.37	24.57	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.43	24.63	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.48	24.68	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.13	23.33	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.13	23.33	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.14	23.34	PASS
Band2	5MHz	16QAM	18900	25RB#0	19.99	23.19	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.09	24.29	PASS
Band2	5MHz	16QAM	19175	1RB#12	20.58	23.78	PASS
Band2	5MHz	16QAM	19175	1RB#24	20.71	23.91	PASS
Band2	5MHz	16QAM	19175	12RB#0	19.92	23.12	PASS
Band2	5MHz	16QAM	19175	12RB#6	20	23.2	PASS
Band2	5MHz	16QAM	19175	12RB#13	19.98	23.18	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.07	23.27	PASS
Band2	10MHz	QPSK	18650	1RB#0	21.89	25.09	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.16	25.36	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.17	25.37	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.07	24.27	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.12	24.32	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.25	24.45	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.16	24.36	PASS
Band2	10MHz	QPSK	18900	1RB#0	21.99	25.19	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.06	25.26	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.07	25.27	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.09	24.29	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.08	24.28	PASS

Band2	10MHz	QPSK	18900	25RB#25	21.17	24.37	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.12	24.32	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.01	25.21	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.19	25.39	PASS
Band2	10MHz	QPSK	19150	1RB#49	21.86	25.06	PASS
Band2	10MHz	QPSK	19150	25RB#0	20.9	24.1	PASS
Band2	10MHz	QPSK	19150	25RB#12	20.96	24.16	PASS
Band2	10MHz	QPSK	19150	25RB#25	21	24.2	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.04	24.24	PASS
Band2	10MHz	16QAM	18650	1RB#0	20.91	24.11	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.3	24.5	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.58	24.78	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.2	23.4	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.07	23.27	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.2	23.4	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.04	24.24	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.3	24.5	PASS
Band2	10MHz	16QAM	18900	1RB#49	21.21	24.41	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.15	23.35	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.14	23.34	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.23	23.43	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.08	24.28	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.28	24.48	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.05	24.25	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.13	23.33	PASS
Band2	10MHz	16QAM	19150	25RB#12	19.98	23.18	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.01	23.21	PASS
Band2	15MHz	QPSK	18675	1RB#0	21.86	25.06	PASS
Band2	15MHz	QPSK	18675	1RB#38	21.94	25.14	PASS
Band2	15MHz	QPSK	18675	1RB#74	21.91	25.11	PASS
Band2	15MHz	QPSK	18675	38RB#0	20.92	24.12	PASS
Band2	15MHz	QPSK	18675	38RB#18	20.88	24.08	PASS
Band2	15MHz	QPSK	18675	38RB#37	20.96	24.16	PASS
Band2	15MHz	QPSK	18675	75RB#0	20.87	24.07	PASS
Band2	15MHz	QPSK	18900	1RB#0	21.85	25.05	PASS
Band2	15MHz	QPSK	18900	1RB#38	21.89	25.09	PASS

Band2	15MHz	QPSK	18900	1RB#74	21.95	25.15	PASS
Band2	15MHz	QPSK	18900	38RB#0	20.84	24.04	PASS
Band2	15MHz	QPSK	18900	38RB#18	20.88	24.08	PASS
Band2	15MHz	QPSK	18900	38RB#37	21.01	24.21	PASS
Band2	15MHz	QPSK	18900	75RB#0	20.89	24.09	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.22	25.42	PASS
Band2	15MHz	QPSK	19125	1RB#38	21.83	25.03	PASS
Band2	15MHz	QPSK	19125	1RB#74	21.71	24.91	PASS
Band2	15MHz	QPSK	19125	38RB#0	20.69	23.89	PASS
Band2	15MHz	QPSK	19125	38RB#18	20.74	23.94	PASS
Band2	15MHz	QPSK	19125	38RB#37	20.73	23.93	PASS
Band2	15MHz	QPSK	19125	75RB#0	20.79	23.99	PASS
Band2	15MHz	16QAM	18675	1RB#0	20.91	24.11	PASS
Band2	15MHz	16QAM	18675	1RB#38	20.86	24.06	PASS
Band2	15MHz	16QAM	18675	1RB#74	21.01	24.21	PASS
Band2	15MHz	16QAM	18675	38RB#0	20.88	24.08	PASS
Band2	15MHz	16QAM	18675	38RB#18	20.87	24.07	PASS
Band2	15MHz	16QAM	18675	38RB#37	20.95	24.15	PASS
Band2	15MHz	16QAM	18900	1RB#0	20.92	24.12	PASS
Band2	15MHz	16QAM	18900	1RB#38	20.72	23.92	PASS
Band2	15MHz	16QAM	18900	1RB#74	20.91	24.11	PASS
Band2	15MHz	16QAM	18900	38RB#0	20.81	24.01	PASS
Band2	15MHz	16QAM	18900	38RB#18	20.96	24.16	PASS
Band2	15MHz	16QAM	18900	38RB#37	20.98	24.18	PASS
Band2	15MHz	16QAM	19125	1RB#0	20.92	24.12	PASS
Band2	15MHz	16QAM	19125	1RB#38	20.75	23.95	PASS
Band2	15MHz	16QAM	19125	1RB#74	20.84	24.04	PASS
Band2	15MHz	16QAM	19125	38RB#0	20.66	23.86	PASS
Band2	15MHz	16QAM	19125	38RB#18	20.73	23.93	PASS
Band2	15MHz	16QAM	19125	38RB#37	20.73	23.93	PASS
Band2	20MHz	QPSK	18700	1RB#0	21.57	24.77	PASS
Band2	20MHz	QPSK	18700	1RB#49	21.99	25.19	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.76	24.96	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.77	23.97	PASS
Band2	20MHz	QPSK	18700	50RB#25	20.75	23.95	PASS
Band2	20MHz	QPSK	18700	50RB#50	20.9	24.1	PASS

Band2	20MHz	QPSK	18700	100RB#0	20.66	23.86	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.66	24.86	PASS
Band2	20MHz	QPSK	18900	1RB#49	21.84	25.04	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.98	25.18	PASS
Band2	20MHz	QPSK	18900	50RB#0	20.85	24.05	PASS
Band2	20MHz	QPSK	18900	50RB#25	20.84	24.04	PASS
Band2	20MHz	QPSK	18900	50RB#50	20.86	24.06	PASS
Band2	20MHz	QPSK	18900	100RB#0	20.85	24.05	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.56	24.76	PASS
Band2	20MHz	QPSK	19100	1RB#49	21.97	25.17	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.49	24.69	PASS
Band2	20MHz	QPSK	19100	50RB#0	20.87	24.07	PASS
Band2	20MHz	QPSK	19100	50RB#25	20.79	23.99	PASS
Band2	20MHz	QPSK	19100	50RB#50	20.75	23.95	PASS
Band2	20MHz	QPSK	19100	100RB#0	20.63	23.83	PASS
Band2	20MHz	16QAM	18700	1RB#0	20.87	24.07	PASS
Band2	20MHz	16QAM	18700	1RB#49	21.44	24.64	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.21	24.41	PASS
Band2	20MHz	16QAM	18900	1RB#0	20.67	23.87	PASS
Band2	20MHz	16QAM	18900	1RB#49	20.71	23.91	PASS
Band2	20MHz	16QAM	18900	1RB#99	20.64	23.84	PASS
Band2	20MHz	16QAM	19100	1RB#0	20.82	24.02	PASS
Band2	20MHz	16QAM	19100	1RB#49	21.14	24.34	PASS
Band2	20MHz	16QAM	19100	1RB#99	20.6	23.8	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	22.21	25.41	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.17	25.37	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.08	25.28	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.08	25.28	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.06	25.26	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.99	25.19	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.14	24.34	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.25	25.45	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.26	25.46	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.51	25.71	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.16	25.36	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.06	25.26	PASS

Band4	1.4MHz	QPSK	20175	3RB#3	22.16	25.36	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.04	24.24	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.98	25.18	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	21.94	25.14	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	21.75	24.95	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	21.84	25.04	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.84	25.04	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	21.83	25.03	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	20.76	23.96	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.19	24.39	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.39	24.59	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.34	24.54	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.95	24.15	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.02	24.22	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.96	24.16	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.16	23.36	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.45	24.65	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.61	24.81	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.4	24.6	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.12	24.32	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.1	24.3	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	20.95	24.15	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.24	23.44	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.93	24.13	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.9	24.1	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.82	24.02	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.82	24.02	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.98	24.18	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.01	24.21	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.78	22.98	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.16	25.36	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.89	25.09	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.95	25.15	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.06	24.26	PASS
Band4	3MHz	QPSK	19965	8RB#4	20.96	24.16	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.05	24.25	PASS

Band4	3MHz	QPSK	19965	15RB#0	21.05	24.25	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.29	25.49	PASS
Band4	3MHz	QPSK	20175	1RB#8	21.98	25.18	PASS
Band4	3MHz	QPSK	20175	1RB#14	21.97	25.17	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.21	24.41	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.09	24.29	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.21	24.41	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.06	24.26	PASS
Band4	3MHz	QPSK	20385	1RB#0	21.5	24.7	PASS
Band4	3MHz	QPSK	20385	1RB#8	21.53	24.73	PASS
Band4	3MHz	QPSK	20385	1RB#14	21.81	25.01	PASS
Band4	3MHz	QPSK	20385	8RB#0	20.78	23.98	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.63	23.83	PASS
Band4	3MHz	QPSK	20385	8RB#7	20.67	23.87	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.7	23.9	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.86	24.06	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.78	23.98	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.23	24.43	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.03	23.23	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.02	23.22	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.13	23.33	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.03	23.23	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.07	24.27	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.41	24.61	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.4	24.6	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.29	23.49	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.29	23.49	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.12	23.32	PASS
Band4	3MHz	16QAM	20175	15RB#0	19.94	23.14	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.56	23.76	PASS
Band4	3MHz	16QAM	20385	1RB#8	20.64	23.84	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.73	23.93	PASS
Band4	3MHz	16QAM	20385	8RB#0	19.75	22.95	PASS
Band4	3MHz	16QAM	20385	8RB#4	19.76	22.96	PASS
Band4	3MHz	16QAM	20385	8RB#7	19.81	23.01	PASS
Band4	3MHz	16QAM	20385	15RB#0	19.83	23.03	PASS

Band4	5MHz	QPSK	19975	1RB#0	21.98	25.18	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.04	25.24	PASS
Band4	5MHz	QPSK	19975	1RB#24	22	25.2	PASS
Band4	5MHz	QPSK	19975	12RB#0	20.99	24.19	PASS
Band4	5MHz	QPSK	19975	12RB#6	20.82	24.02	PASS
Band4	5MHz	QPSK	19975	12RB#13	20.94	24.14	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.88	24.08	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.21	25.41	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.02	25.22	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.07	25.27	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.01	24.21	PASS
Band4	5MHz	QPSK	20175	12RB#6	20.91	24.11	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.03	24.23	PASS
Band4	5MHz	QPSK	20175	25RB#0	20.95	24.15	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.99	25.19	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.74	24.94	PASS
Band4	5MHz	QPSK	20375	1RB#24	21.85	25.05	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.73	23.93	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.69	23.89	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.66	23.86	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.5	23.7	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.77	23.97	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.39	23.59	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.28	24.48	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.88	23.08	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.97	23.17	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.92	23.12	PASS
Band4	5MHz	16QAM	19975	25RB#0	19.96	23.16	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.67	23.87	PASS
Band4	5MHz	16QAM	20175	1RB#12	20.82	24.02	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.85	24.05	PASS
Band4	5MHz	16QAM	20175	12RB#0	19.97	23.17	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.03	23.23	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.06	23.26	PASS
Band4	5MHz	16QAM	20175	25RB#0	19.99	23.19	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.8	24	PASS

Band4	5MHz	16QAM	20375	1RB#12	20.69	23.89	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.98	24.18	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.66	22.86	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.72	22.92	PASS
Band4	5MHz	16QAM	20375	12RB#13	19.7	22.9	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.64	22.84	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.01	25.21	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.8	25	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.62	24.82	PASS
Band4	10MHz	QPSK	20000	25RB#0	20.66	23.86	PASS
Band4	10MHz	QPSK	20000	25RB#12	20.61	23.81	PASS
Band4	10MHz	QPSK	20000	25RB#25	20.74	23.94	PASS
Band4	10MHz	QPSK	20000	50RB#0	20.95	24.15	PASS
Band4	10MHz	QPSK	20175	1RB#0	21.85	25.05	PASS
Band4	10MHz	QPSK	20175	1RB#24	21.74	24.94	PASS
Band4	10MHz	QPSK	20175	1RB#49	21.55	24.75	PASS
Band4	10MHz	QPSK	20175	25RB#0	20.62	23.82	PASS
Band4	10MHz	QPSK	20175	25RB#12	20.53	23.73	PASS
Band4	10MHz	QPSK	20175	25RB#25	20.62	23.82	PASS
Band4	10MHz	QPSK	20175	50RB#0	20.91	24.11	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.78	24.98	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.67	24.87	PASS
Band4	10MHz	QPSK	20350	1RB#49	21.42	24.62	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.5	23.7	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.55	23.75	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.47	23.67	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.72	23.92	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.37	23.57	PASS
Band4	10MHz	16QAM	20000	1RB#24	20.79	23.99	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.78	23.98	PASS
Band4	10MHz	16QAM	20000	25RB#0	19.9	23.1	PASS
Band4	10MHz	16QAM	20000	25RB#12	19.76	22.96	PASS
Band4	10MHz	16QAM	20000	25RB#25	19.79	22.99	PASS
Band4	10MHz	16QAM	20000	50RB#0	0	3.2	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.74	23.94	PASS
Band4	10MHz	16QAM	20175	1RB#24	20.96	24.16	PASS

Band4	10MHz	16QAM	20175	1RB#49	20.3	23.5	PASS
Band4	10MHz	16QAM	20175	25RB#0	19.79	22.99	PASS
Band4	10MHz	16QAM	20175	25RB#12	19.79	22.99	PASS
Band4	10MHz	16QAM	20175	25RB#25	19.77	22.97	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.43	23.63	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.81	24.01	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.44	23.64	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.56	22.76	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.47	22.67	PASS
Band4	10MHz	16QAM	20350	25RB#25	19.56	22.76	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.8	25	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.72	24.92	PASS
Band4	15MHz	QPSK	20025	1RB#74	21.88	25.08	PASS
Band4	15MHz	QPSK	20025	38RB#0	20.67	23.87	PASS
Band4	15MHz	QPSK	20025	38RB#18	20.65	23.85	PASS
Band4	15MHz	QPSK	20025	38RB#37	20.64	23.84	PASS
Band4	15MHz	QPSK	20025	75RB#0	20.67	23.87	PASS
Band4	15MHz	QPSK	20175	1RB#0	21.64	24.84	PASS
Band4	15MHz	QPSK	20175	1RB#38	21.58	24.78	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.5	24.7	PASS
Band4	15MHz	QPSK	20175	38RB#0	20.62	23.82	PASS
Band4	15MHz	QPSK	20175	38RB#18	20.58	23.78	PASS
Band4	15MHz	QPSK	20175	38RB#37	20.57	23.77	PASS
Band4	15MHz	QPSK	20175	75RB#0	20.55	23.75	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.81	25.01	PASS
Band4	15MHz	QPSK	20325	1RB#38	21.71	24.91	PASS
Band4	15MHz	QPSK	20325	1RB#74	21.47	24.67	PASS
Band4	15MHz	QPSK	20325	38RB#0	20.42	23.62	PASS
Band4	15MHz	QPSK	20325	38RB#18	20.42	23.62	PASS
Band4	15MHz	QPSK	20325	38RB#37	20.42	23.62	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.48	23.68	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.79	23.99	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.88	24.08	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.77	23.97	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.65	23.85	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.65	23.85	PASS

Band4	15MHz	16QAM	20025	38RB#37	20.64	23.84	PASS
Band4	15MHz	16QAM	20175	1RB#0	20.77	23.97	PASS
Band4	15MHz	16QAM	20175	1RB#38	20.48	23.68	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.03	24.23	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.59	23.79	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.57	23.77	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.57	23.77	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.61	23.81	PASS
Band4	15MHz	16QAM	20325	1RB#38	20.44	23.64	PASS
Band4	15MHz	16QAM	20325	1RB#74	20.51	23.71	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.42	23.62	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.42	23.62	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.42	23.62	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.67	24.87	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.04	25.24	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.19	25.39	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.3	24.5	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.09	24.29	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.28	24.48	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.26	24.46	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.37	25.57	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.39	25.59	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.19	25.39	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.27	24.47	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.31	24.51	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.05	24.25	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.17	24.37	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.28	25.48	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.12	25.32	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.92	25.12	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.06	24.26	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.02	24.22	PASS
Band4	20MHz	QPSK	20300	50RB#50	20.93	24.13	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.89	24.09	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.2	24.4	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.28	24.48	PASS

Band4	20MHz	16QAM	20050	1RB#99	21.25	24.45	PASS
Band4	20MHz	16QAM	20050	50RB#25	0	3.2	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.57	24.77	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.06	25.26	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.59	24.79	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.11	24.31	PASS
Band4	20MHz	16QAM	20300	1RB#49	21	24.2	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.88	24.08	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	23.01	24.06	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.1	24.15	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.9	23.95	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.98	24.03	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.97	24.02	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.88	23.93	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.12	23.17	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.83	23.88	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.07	24.12	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.03	24.08	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.97	24.02	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.97	24.02	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.89	23.94	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.92	22.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.01	24.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.21	24.26	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.12	24.17	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.26	24.31	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.03	24.08	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.06	24.11	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.11	23.16	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.82	22.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.73	23.78	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.21	23.26	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.04	23.09	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.03	23.08	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.92	22.97	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.06	22.11	PASS

Band5	1.4MHz	16QAM	20525	1RB#0	22.32	23.37	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.49	23.54	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.13	23.18	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.91	22.96	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.91	22.96	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.89	22.94	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.03	22.08	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.26	23.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.57	23.62	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.33	23.38	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.05	23.1	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.93	22.98	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.97	23.02	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.16	22.21	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.05	24.1	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.94	23.99	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.94	23.99	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.99	23.04	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.92	22.97	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.95	23	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.02	23.07	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.01	24.06	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.67	23.72	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.93	23.98	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.98	23.03	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.89	22.94	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.84	22.89	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.93	22.98	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.97	24.02	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.1	24.15	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.25	24.3	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.97	23.02	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.05	23.1	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.2	23.25	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.96	23.01	PASS
Band5	3MHz	16QAM	20415	1RB#0	22	23.05	PASS

Band5	3MHz	16QAM	20415	1RB#8	21.85	22.9	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.68	22.73	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.07	22.12	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.07	22.12	PASS
Band5	3MHz	16QAM	20415	8RB#7	21	22.05	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.15	22.2	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.81	22.86	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.9	22.95	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.85	22.9	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.98	22.03	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.98	22.03	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.02	22.07	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.83	21.88	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.93	22.98	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.35	23.4	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.5	23.55	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.08	22.13	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.06	22.11	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.21	22.26	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.96	22.01	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.81	23.86	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.92	23.97	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.79	23.84	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.99	23.04	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.01	23.06	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.88	22.93	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.94	22.99	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.85	23.9	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.99	24.04	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.91	23.96	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.99	23.04	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.9	22.95	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.86	22.91	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.87	22.92	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.81	23.86	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.89	23.94	PASS

Band5	5MHz	QPSK	20625	1RB#24	22.95	24	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.83	22.88	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.84	22.89	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.09	23.14	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.96	23.01	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.59	22.64	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.67	22.72	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.92	22.97	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.86	21.91	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.04	22.09	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.09	22.14	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.98	22.03	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.18	23.23	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.16	23.21	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.06	23.11	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.93	21.98	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.94	21.99	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.92	21.97	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.08	22.13	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.53	22.58	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.68	22.73	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.79	22.84	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.93	21.98	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.93	21.98	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.1	22.15	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.91	21.96	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.05	24.1	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.86	23.91	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.1	24.15	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.94	22.99	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.97	23.02	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.1	23.15	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.02	23.07	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.94	23.99	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.02	24.07	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.04	24.09	PASS

Band5	10MHz	QPSK	20525	25RB#0	22.02	23.07	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.93	22.98	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.06	23.11	PASS
Band5	10MHz	QPSK	20525	50RB#0	22	23.05	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.02	24.07	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.79	23.84	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.25	24.3	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.02	23.07	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.03	23.08	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.04	23.09	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.15	23.2	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.04	23.09	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.23	23.28	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.41	23.46	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.14	22.19	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.22	22.27	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.21	22.26	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.02	23.07	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.51	23.56	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.04	23.09	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.05	22.1	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.05	22.1	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.1	22.15	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.15	23.2	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.25	23.3	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.13	23.18	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.12	22.17	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.11	22.16	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.97	22.02	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	23.04	24.09	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.16	24.21	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.32	24.37	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.24	24.29	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.98	24.03	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.98	24.03	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.05	23.1	PASS

Band12	1.4MHz	QPSK	23095	1RB#0	23.17	24.22	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.29	24.34	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.24	24.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.19	24.24	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.1	24.15	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.94	23.99	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.01	23.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.85	23.9	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.99	24.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.04	24.09	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.98	24.03	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.96	24.01	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23	24.05	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.17	23.22	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.55	23.6	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.72	23.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.27	23.32	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.88	22.93	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.85	22.9	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.86	22.91	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.27	22.32	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.32	23.37	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.53	23.58	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.35	23.4	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.01	23.06	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22	23.05	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.92	22.97	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.05	22.1	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.11	23.16	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.1	23.15	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.06	23.11	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.88	22.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.87	22.92	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.1	23.15	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.17	22.22	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.94	23.99	PASS

Band12	3MHz	QPSK	23025	1RB#8	22.8	23.85	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.87	23.92	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.97	23.02	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.89	22.94	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.86	22.91	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.95	23	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.93	23.98	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.1	24.15	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.96	24.01	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.05	23.1	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.06	23.11	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.1	23.15	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.05	23.1	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.93	23.98	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.8	23.85	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.93	23.98	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.01	23.06	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.03	23.08	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.09	23.14	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.05	23.1	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.89	22.94	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.86	22.91	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.75	22.8	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.03	22.08	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.1	22.15	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.99	22.04	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.05	22.1	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.89	22.94	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.82	22.87	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.13	23.18	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.07	22.12	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.15	22.2	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.19	22.24	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.95	22	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.36	23.41	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.21	23.26	PASS

Band12	3MHz	16QAM	23165	1RB#14	21.95	23	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.87	21.92	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.87	21.92	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.11	22.16	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.16	22.21	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.89	23.94	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.79	23.84	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.97	24.02	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.86	22.91	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.88	22.93	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.97	23.02	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.84	22.89	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.88	23.93	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.09	24.14	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.93	23.98	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.04	23.09	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.93	22.98	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.02	23.07	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.93	22.98	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.07	24.12	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.04	24.09	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.95	24	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.91	22.96	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.94	22.99	PASS
Band12	5MHz	QPSK	23155	12RB#13	22	23.05	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.94	22.99	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.64	22.69	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.6	22.65	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.09	23.14	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.96	22.01	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.97	22.02	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.99	22.04	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.03	22.08	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.11	23.16	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.12	23.17	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.86	22.91	PASS

Band12	5MHz	16QAM	23095	12RB#0	21.06	22.11	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.06	22.11	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.06	22.11	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.07	22.12	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.2	23.25	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.97	23.02	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.06	23.11	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.87	21.92	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.06	22.11	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.08	22.13	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.91	21.96	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.97	24.02	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.15	24.2	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.88	23.93	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.04	23.09	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.12	23.17	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.21	23.26	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.14	23.19	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.83	23.88	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.34	24.39	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.01	24.06	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.98	23.03	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.97	23.02	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.07	23.12	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.14	23.19	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.11	24.16	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.38	24.43	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.89	23.94	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.24	23.29	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.25	23.3	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.14	23.19	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.04	23.09	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.93	22.98	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.13	23.18	PASS
Band12	10MHz	16QAM	23060	1RB#49	22	23.05	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.96	22.01	PASS

Band12	10MHz	16QAM	23060	25RB#12	21.15	22.2	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.24	22.29	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.99	23.04	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.49	23.54	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.05	23.1	PASS
Band12	10MHz	16QAM	23095	25RB#0	21	22.05	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.01	22.06	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.1	22.15	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.16	23.21	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.45	23.5	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.85	22.9	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.32	22.37	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.32	22.37	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.38	22.43	PASS
Band13	5MHz	QPSK	23205	1RB#0	23.04	24.09	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.95	24	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.9	23.95	PASS
Band13	5MHz	QPSK	23205	12RB#0	22.13	23.18	PASS
Band13	5MHz	QPSK	23205	12RB#6	22.12	23.17	PASS
Band13	5MHz	QPSK	23205	12RB#13	21.98	23.03	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.98	23.03	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.93	23.98	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.87	23.92	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.94	23.99	PASS
Band13	5MHz	QPSK	23230	12RB#0	22.02	23.07	PASS
Band13	5MHz	QPSK	23230	12RB#6	21.97	23.02	PASS
Band13	5MHz	QPSK	23230	12RB#13	21.93	22.98	PASS
Band13	5MHz	QPSK	23230	25RB#0	21.96	23.01	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.82	23.87	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.04	24.09	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.06	24.11	PASS
Band13	5MHz	QPSK	23255	12RB#0	21.86	22.91	PASS
Band13	5MHz	QPSK	23255	12RB#6	21.87	22.92	PASS
Band13	5MHz	QPSK	23255	12RB#13	21.95	23	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.81	22.86	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.26	23.31	PASS

Band13	5MHz	16QAM	23205	1RB#12	22.2	23.25	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.12	23.17	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.97	22.02	PASS
Band13	5MHz	16QAM	23205	12RB#6	21.14	22.19	PASS
Band13	5MHz	16QAM	23205	12RB#13	20.95	22	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.94	21.99	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.13	23.18	PASS
Band13	5MHz	16QAM	23230	1RB#12	21.47	22.52	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.07	23.12	PASS
Band13	5MHz	16QAM	23230	12RB#0	20.73	21.78	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.01	22.06	PASS
Band13	5MHz	16QAM	23230	12RB#13	20.71	21.76	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.13	22.18	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.53	22.58	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.09	23.14	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.93	22.98	PASS
Band13	5MHz	16QAM	23255	12RB#0	20.85	21.9	PASS
Band13	5MHz	16QAM	23255	12RB#6	20.83	21.88	PASS
Band13	5MHz	16QAM	23255	12RB#13	20.86	21.91	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.73	21.78	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.95	24	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.83	23.88	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.89	23.94	PASS
Band13	10MHz	QPSK	23230	25RB#0	21.84	22.89	PASS
Band13	10MHz	QPSK	23230	25RB#12	21.9	22.95	PASS
Band13	10MHz	QPSK	23230	25RB#25	21.86	22.91	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.74	22.79	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.83	22.88	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.74	22.79	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.04	23.09	PASS
Band13	10MHz	16QAM	23230	25RB#0	20.98	22.03	PASS
Band13	10MHz	16QAM	23230	25RB#12	20.99	22.04	PASS
Band13	10MHz	16QAM	23230	25RB#25	20.78	21.83	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	21.83	25.03	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	21.59	24.79	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	21.68	24.88	PASS

Band25	1.4MHz	QPSK	26047	3RB#0	21.49	24.69	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	21.57	24.77	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	21.73	24.93	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	20.93	24.13	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	21.94	25.14	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	21.91	25.11	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	21.91	25.11	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	21.9	25.1	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	21.88	25.08	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	21.91	25.11	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.02	24.22	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	21.68	24.88	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	21.82	25.02	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	21.68	24.88	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	21.68	24.88	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	21.75	24.95	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	21.75	24.95	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	20.68	23.88	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	20.64	23.84	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	20.79	23.99	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	20.67	23.87	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	20.49	23.69	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	20.65	23.85	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	20.92	24.12	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	19.98	23.18	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.16	24.36	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.04	24.24	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	20.81	24.01	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	20.87	24.07	PASS
Band25	1.4MHz	16QAM	26365	3RB#1	21.02	24.22	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	20.89	24.09	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	19.93	23.13	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	20.67	23.87	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.17	24.37	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	20.64	23.84	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	20.54	23.74	PASS

Band25	1.4MHz	16QAM	26683	3RB#1	20.53	23.73	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	20.74	23.94	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	19.81	23.01	PASS
Band25	3MHz	QPSK	26055	1RB#0	21.73	24.93	PASS
Band25	3MHz	QPSK	26055	1RB#8	21.57	24.77	PASS
Band25	3MHz	QPSK	26055	1RB#14	21.59	24.79	PASS
Band25	3MHz	QPSK	26055	8RB#0	20.46	23.66	PASS
Band25	3MHz	QPSK	26055	8RB#4	20.56	23.76	PASS
Band25	3MHz	QPSK	26055	8RB#7	20.65	23.85	PASS
Band25	3MHz	QPSK	26055	15RB#0	20.46	23.66	PASS
Band25	3MHz	QPSK	26365	1RB#0	21.74	24.94	PASS
Band25	3MHz	QPSK	26365	1RB#8	21.77	24.97	PASS
Band25	3MHz	QPSK	26365	1RB#14	21.67	24.87	PASS
Band25	3MHz	QPSK	26365	8RB#0	20.72	23.92	PASS
Band25	3MHz	QPSK	26365	8RB#4	20.82	24.02	PASS
Band25	3MHz	QPSK	26365	8RB#7	20.91	24.11	PASS
Band25	3MHz	QPSK	26365	15RB#0	20.8	24	PASS
Band25	3MHz	QPSK	26675	1RB#0	21.77	24.97	PASS
Band25	3MHz	QPSK	26675	1RB#8	21.5	24.7	PASS
Band25	3MHz	QPSK	26675	1RB#14	21.61	24.81	PASS
Band25	3MHz	QPSK	26675	8RB#0	20.73	23.93	PASS
Band25	3MHz	QPSK	26675	8RB#4	20.61	23.81	PASS
Band25	3MHz	QPSK	26675	8RB#7	20.67	23.87	PASS
Band25	3MHz	QPSK	26675	15RB#0	20.68	23.88	PASS
Band25	3MHz	16QAM	26055	1RB#0	20.59	23.79	PASS
Band25	3MHz	16QAM	26055	1RB#8	20.42	23.62	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.02	24.22	PASS
Band25	3MHz	16QAM	26055	8RB#0	19.63	22.83	PASS
Band25	3MHz	16QAM	26055	8RB#4	19.88	23.08	PASS
Band25	3MHz	16QAM	26055	8RB#7	19.65	22.85	PASS
Band25	3MHz	16QAM	26055	15RB#0	19.67	22.87	PASS
Band25	3MHz	16QAM	26365	1RB#0	20.73	23.93	PASS
Band25	3MHz	16QAM	26365	1RB#8	20.86	24.06	PASS
Band25	3MHz	16QAM	26365	1RB#14	20.87	24.07	PASS
Band25	3MHz	16QAM	26365	8RB#0	20.02	23.22	PASS
Band25	3MHz	16QAM	26365	8RB#4	19.77	22.97	PASS

Band25	3MHz	16QAM	26365	8RB#7	20.04	23.24	PASS
Band25	3MHz	16QAM	26365	15RB#0	19.92	23.12	PASS
Band25	3MHz	16QAM	26675	1RB#0	20.71	23.91	PASS
Band25	3MHz	16QAM	26675	1RB#8	20.53	23.73	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.04	24.24	PASS
Band25	3MHz	16QAM	26675	8RB#0	19.67	22.87	PASS
Band25	3MHz	16QAM	26675	8RB#4	19.77	22.97	PASS
Band25	3MHz	16QAM	26675	8RB#7	19.92	23.12	PASS
Band25	3MHz	16QAM	26675	15RB#0	19.59	22.79	PASS
Band25	5MHz	QPSK	26065	1RB#0	21.62	24.82	PASS
Band25	5MHz	QPSK	26065	1RB#12	21.55	24.75	PASS
Band25	5MHz	QPSK	26065	1RB#24	21.65	24.85	PASS
Band25	5MHz	QPSK	26065	12RB#0	20.46	23.66	PASS
Band25	5MHz	QPSK	26065	12RB#6	20.45	23.65	PASS
Band25	5MHz	QPSK	26065	12RB#13	20.6	23.8	PASS
Band25	5MHz	QPSK	26065	25RB#0	20.44	23.64	PASS
Band25	5MHz	QPSK	26365	1RB#0	21.82	25.02	PASS
Band25	5MHz	QPSK	26365	1RB#12	21.9	25.1	PASS
Band25	5MHz	QPSK	26365	1RB#24	21.75	24.95	PASS
Band25	5MHz	QPSK	26365	12RB#0	20.63	23.83	PASS
Band25	5MHz	QPSK	26365	12RB#6	20.65	23.85	PASS
Band25	5MHz	QPSK	26365	12RB#13	20.87	24.07	PASS
Band25	5MHz	QPSK	26365	25RB#0	20.75	23.95	PASS
Band25	5MHz	QPSK	26665	1RB#0	21.63	24.83	PASS
Band25	5MHz	QPSK	26665	1RB#12	21.66	24.86	PASS
Band25	5MHz	QPSK	26665	1RB#24	21.76	24.96	PASS
Band25	5MHz	QPSK	26665	12RB#0	20.5	23.7	PASS
Band25	5MHz	QPSK	26665	12RB#6	20.56	23.76	PASS
Band25	5MHz	QPSK	26665	12RB#13	20.68	23.88	PASS
Band25	5MHz	QPSK	26665	25RB#0	20.47	23.67	PASS
Band25	5MHz	16QAM	26065	1RB#0	20.35	23.55	PASS
Band25	5MHz	16QAM	26065	1RB#12	20.29	23.49	PASS
Band25	5MHz	16QAM	26065	1RB#24	20.28	23.48	PASS
Band25	5MHz	16QAM	26065	12RB#0	19.67	22.87	PASS
Band25	5MHz	16QAM	26065	12RB#6	19.67	22.87	PASS
Band25	5MHz	16QAM	26065	12RB#13	19.72	22.92	PASS

Band25	5MHz	16QAM	26065	25RB#0	19.72	22.92	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.07	24.27	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.19	24.39	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.03	24.23	PASS
Band25	5MHz	16QAM	26365	12RB#0	19.72	22.92	PASS
Band25	5MHz	16QAM	26365	12RB#6	19.9	23.1	PASS
Band25	5MHz	16QAM	26365	12RB#13	19.96	23.16	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.02	23.22	PASS
Band25	5MHz	16QAM	26665	1RB#0	20.65	23.85	PASS
Band25	5MHz	16QAM	26665	1RB#12	20.08	23.28	PASS
Band25	5MHz	16QAM	26665	1RB#24	20.75	23.95	PASS
Band25	5MHz	16QAM	26665	12RB#0	19.67	22.87	PASS
Band25	5MHz	16QAM	26665	12RB#6	19.8	23	PASS
Band25	5MHz	16QAM	26665	12RB#13	19.61	22.81	PASS
Band25	5MHz	16QAM	26665	25RB#0	19.55	22.75	PASS
Band25	10MHz	QPSK	26090	1RB#0	21.71	24.91	PASS
Band25	10MHz	QPSK	26090	1RB#24	22.05	25.25	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.16	25.36	PASS
Band25	10MHz	QPSK	26090	25RB#0	20.7	23.9	PASS
Band25	10MHz	QPSK	26090	25RB#12	20.68	23.88	PASS
Band25	10MHz	QPSK	26090	25RB#25	20.87	24.07	PASS
Band25	10MHz	QPSK	26090	50RB#0	20.78	23.98	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.05	25.25	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.17	25.37	PASS
Band25	10MHz	QPSK	26365	1RB#49	21.93	25.13	PASS
Band25	10MHz	QPSK	26365	25RB#0	20.92	24.12	PASS
Band25	10MHz	QPSK	26365	25RB#12	21	24.2	PASS
Band25	10MHz	QPSK	26365	25RB#25	21.16	24.36	PASS
Band25	10MHz	QPSK	26365	50RB#0	20.99	24.19	PASS
Band25	10MHz	QPSK	26640	1RB#0	21.81	25.01	PASS
Band25	10MHz	QPSK	26640	1RB#24	21.78	24.98	PASS
Band25	10MHz	QPSK	26640	1RB#49	21.83	25.03	PASS
Band25	10MHz	QPSK	26640	25RB#0	20.71	23.91	PASS
Band25	10MHz	QPSK	26640	25RB#12	20.66	23.86	PASS
Band25	10MHz	QPSK	26640	25RB#25	20.66	23.86	PASS
Band25	10MHz	QPSK	26640	50RB#0	20.66	23.86	PASS

Band25	10MHz	16QAM	26090	1RB#0	20.92	24.12	PASS
Band25	10MHz	16QAM	26090	1RB#24	21.07	24.27	PASS
Band25	10MHz	16QAM	26090	1RB#49	20.78	23.98	PASS
Band25	10MHz	16QAM	26090	25RB#0	19.86	23.06	PASS
Band25	10MHz	16QAM	26090	25RB#12	19.86	23.06	PASS
Band25	10MHz	16QAM	26090	25RB#25	19.96	23.16	PASS
Band25	10MHz	16QAM	26365	1RB#0	21	24.2	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.48	24.68	PASS
Band25	10MHz	16QAM	26365	1RB#49	20.89	24.09	PASS
Band25	10MHz	16QAM	26365	25RB#0	20.07	23.27	PASS
Band25	10MHz	16QAM	26365	25RB#12	19.96	23.16	PASS
Band25	10MHz	16QAM	26365	25RB#25	20.04	23.24	PASS
Band25	10MHz	16QAM	26640	1RB#0	20.56	23.76	PASS
Band25	10MHz	16QAM	26640	1RB#24	21.23	24.43	PASS
Band25	10MHz	16QAM	26640	1RB#49	20.85	24.05	PASS
Band25	10MHz	16QAM	26640	25RB#0	19.69	22.89	PASS
Band25	10MHz	16QAM	26640	25RB#12	19.7	22.9	PASS
Band25	10MHz	16QAM	26640	25RB#25	19.74	22.94	PASS
Band25	15MHz	QPSK	26115	1RB#0	21.73	24.93	PASS
Band25	15MHz	QPSK	26115	1RB#38	21.89	25.09	PASS
Band25	15MHz	QPSK	26115	1RB#74	21.9	25.1	PASS
Band25	15MHz	QPSK	26115	38RB#0	20.79	23.99	PASS
Band25	15MHz	QPSK	26115	38RB#18	20.78	23.98	PASS
Band25	15MHz	QPSK	26115	38RB#37	20.78	23.98	PASS
Band25	15MHz	QPSK	26115	75RB#0	20.78	23.98	PASS
Band25	15MHz	QPSK	26365	1RB#0	21.99	25.19	PASS
Band25	15MHz	QPSK	26365	1RB#38	21.91	25.11	PASS
Band25	15MHz	QPSK	26365	1RB#74	21.89	25.09	PASS
Band25	15MHz	QPSK	26365	38RB#0	20.98	24.18	PASS
Band25	15MHz	QPSK	26365	38RB#18	20.92	24.12	PASS
Band25	15MHz	QPSK	26365	38RB#37	20.91	24.11	PASS
Band25	15MHz	QPSK	26365	75RB#0	20.91	24.11	PASS
Band25	15MHz	QPSK	26615	1RB#0	21.67	24.87	PASS
Band25	15MHz	QPSK	26615	1RB#38	21.6	24.8	PASS
Band25	15MHz	QPSK	26615	1RB#74	21.73	24.93	PASS
Band25	15MHz	QPSK	26615	38RB#0	20.66	23.86	PASS

Band25	15MHz	QPSK	26615	38RB#18	20.61	23.81	PASS
Band25	15MHz	QPSK	26615	38RB#37	20.6	23.8	PASS
Band25	15MHz	QPSK	26615	75RB#0	20.6	23.8	PASS
Band25	15MHz	16QAM	26115	1RB#0	20.86	24.06	PASS
Band25	15MHz	16QAM	26115	1RB#38	21.67	24.87	PASS
Band25	15MHz	16QAM	26115	1RB#74	20.93	24.13	PASS
Band25	15MHz	16QAM	26115	38RB#0	20.64	23.84	PASS
Band25	15MHz	16QAM	26115	38RB#18	20.63	23.83	PASS
Band25	15MHz	16QAM	26115	38RB#37	20.63	23.83	PASS
Band25	15MHz	16QAM	26365	1RB#0	21.1	24.3	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.02	24.22	PASS
Band25	15MHz	16QAM	26365	1RB#74	20.9	24.1	PASS
Band25	15MHz	16QAM	26365	38RB#0	20.76	23.96	PASS
Band25	15MHz	16QAM	26365	38RB#18	20.92	24.12	PASS
Band25	15MHz	16QAM	26365	38RB#37	20.85	24.05	PASS
Band25	15MHz	16QAM	26615	1RB#0	20.82	24.02	PASS
Band25	15MHz	16QAM	26615	1RB#38	20.61	23.81	PASS
Band25	15MHz	16QAM	26615	1RB#74	20.86	24.06	PASS
Band25	15MHz	16QAM	26615	38RB#0	20.52	23.72	PASS
Band25	15MHz	16QAM	26615	38RB#18	20.52	23.72	PASS
Band25	15MHz	16QAM	26615	38RB#37	20.52	23.72	PASS
Band25	20MHz	QPSK	26140	1RB#0	21.5	24.7	PASS
Band25	20MHz	QPSK	26140	1RB#49	21.99	25.19	PASS
Band25	20MHz	QPSK	26140	1RB#99	21.8	25	PASS
Band25	20MHz	QPSK	26140	50RB#0	20.44	23.64	PASS
Band25	20MHz	QPSK	26140	50RB#25	20.43	23.63	PASS
Band25	20MHz	QPSK	26140	50RB#50	20.74	23.94	PASS
Band25	20MHz	QPSK	26140	100RB#0	20.63	23.83	PASS
Band25	20MHz	QPSK	26365	1RB#0	21.76	24.96	PASS
Band25	20MHz	QPSK	26365	1RB#49	22.11	25.31	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.12	25.32	PASS
Band25	20MHz	QPSK	26365	50RB#0	20.8	24	PASS
Band25	20MHz	QPSK	26365	50RB#25	20.7	23.9	PASS
Band25	20MHz	QPSK	26365	50RB#50	20.85	24.05	PASS
Band25	20MHz	QPSK	26365	100RB#0	20.68	23.88	PASS
Band25	20MHz	QPSK	26590	1RB#0	21.83	25.03	PASS

Band25	20MHz	QPSK	26590	1RB#49	21.6	24.8	PASS
Band25	20MHz	QPSK	26590	1RB#99	21.88	25.08	PASS
Band25	20MHz	QPSK	26590	50RB#0	20.61	23.81	PASS
Band25	20MHz	QPSK	26590	50RB#25	20.56	23.76	PASS
Band25	20MHz	QPSK	26590	50RB#50	20.61	23.81	PASS
Band25	20MHz	QPSK	26590	100RB#0	20.57	23.77	PASS
Band25	20MHz	16QAM	26140	1RB#0	20.77	23.97	PASS
Band25	20MHz	16QAM	26140	1RB#49	21.28	24.48	PASS
Band25	20MHz	16QAM	26140	1RB#99	20.89	24.09	PASS
Band25	20MHz	16QAM	26365	1RB#0	21.07	24.27	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.68	24.88	PASS
Band25	20MHz	16QAM	26365	1RB#99	21.12	24.32	PASS
Band25	20MHz	16QAM	26590	1RB#0	20.58	23.78	PASS
Band25	20MHz	16QAM	26590	1RB#49	20.17	23.37	PASS
Band25	20MHz	16QAM	26590	1RB#99	20.47	23.67	PASS
Band26@22	1.4MHz	QPSK	26797	1RB#0	23.08	24.13	PASS
Band26@22	1.4MHz	QPSK	26797	1RB#2	22.69	23.74	PASS
Band26@22	1.4MHz	QPSK	26797	1RB#5	22.61	23.66	PASS
Band26@22	1.4MHz	QPSK	26797	3RB#0	22.68	23.73	PASS
Band26@22	1.4MHz	QPSK	26797	3RB#1	22.76	23.81	PASS
Band26@22	1.4MHz	QPSK	26797	3RB#3	22.6	23.65	PASS
Band26@22	1.4MHz	QPSK	26797	6RB#0	21.69	22.74	PASS
Band26@22	1.4MHz	QPSK	26915	1RB#0	22.57	23.62	PASS
Band26@22	1.4MHz	QPSK	26915	1RB#2	22.62	23.67	PASS
Band26@22	1.4MHz	QPSK	26915	1RB#5	22.58	23.63	PASS
Band26@22	1.4MHz	QPSK	26915	3RB#0	22.62	23.67	PASS
Band26@22	1.4MHz	QPSK	26915	3RB#1	22.72	23.77	PASS
Band26@22	1.4MHz	QPSK	26915	3RB#3	22.73	23.78	PASS
Band26@22	1.4MHz	QPSK	26915	6RB#0	21.69	22.74	PASS
Band26@22	1.4MHz	QPSK	27033	1RB#0	22.9	23.95	PASS
Band26@22	1.4MHz	QPSK	27033	1RB#2	22.79	23.84	PASS
Band26@22	1.4MHz	QPSK	27033	1RB#5	22.87	23.92	PASS
Band26@22	1.4MHz	QPSK	27033	3RB#0	22.59	23.64	PASS
Band26@22	1.4MHz	QPSK	27033	3RB#1	22.69	23.74	PASS
Band26@22	1.4MHz	QPSK	27033	3RB#3	22.74	23.79	PASS
Band26@22	1.4MHz	QPSK	27033	6RB#0	21.74	22.79	PASS

Band26@22	1.4MHz	16QAM	26797	1RB#0	21.78	22.83	PASS
Band26@22	1.4MHz	16QAM	26797	1RB#2	21.7	22.75	PASS
Band26@22	1.4MHz	16QAM	26797	1RB#5	21.74	22.79	PASS
Band26@22	1.4MHz	16QAM	26797	3RB#0	21.56	22.61	PASS
Band26@22	1.4MHz	16QAM	26797	3RB#1	21.56	22.61	PASS
Band26@22	1.4MHz	16QAM	26797	3RB#3	21.73	22.78	PASS
Band26@22	1.4MHz	16QAM	26797	6RB#0	20.73	21.78	PASS
Band26@22	1.4MHz	16QAM	26915	1RB#0	21.59	22.64	PASS
Band26@22	1.4MHz	16QAM	26915	1RB#2	21.95	23	PASS
Band26@22	1.4MHz	16QAM	26915	1RB#5	21.61	22.66	PASS
Band26@22	1.4MHz	16QAM	26915	3RB#0	21.57	22.62	PASS
Band26@22	1.4MHz	16QAM	26915	3RB#1	21.58	22.63	PASS
Band26@22	1.4MHz	16QAM	26915	3RB#3	21.56	22.61	PASS
Band26@22	1.4MHz	16QAM	26915	6RB#0	20.68	21.73	PASS
Band26@22	1.4MHz	16QAM	27033	1RB#0	22.04	23.09	PASS
Band26@22	1.4MHz	16QAM	27033	1RB#2	21.98	23.03	PASS
Band26@22	1.4MHz	16QAM	27033	1RB#5	21.8	22.85	PASS
Band26@22	1.4MHz	16QAM	27033	3RB#0	21.53	22.58	PASS
Band26@22	1.4MHz	16QAM	27033	3RB#1	21.52	22.57	PASS
Band26@22	1.4MHz	16QAM	27033	3RB#3	21.75	22.8	PASS
Band26@22	1.4MHz	16QAM	27033	6RB#0	20.76	21.81	PASS
Band26@22	3MHz	QPSK	26805	1RB#0	23.14	24.19	PASS
Band26@22	3MHz	QPSK	26805	1RB#8	22.96	24.01	PASS
Band26@22	3MHz	QPSK	26805	1RB#14	22.85	23.9	PASS
Band26@22	3MHz	QPSK	26805	8RB#0	21.99	23.04	PASS
Band26@22	3MHz	QPSK	26805	8RB#4	22.09	23.14	PASS
Band26@22	3MHz	QPSK	26805	8RB#7	21.94	22.99	PASS
Band26@22	3MHz	QPSK	26805	15RB#0	21.92	22.97	PASS
Band26@22	3MHz	QPSK	26915	1RB#0	22.95	24	PASS
Band26@22	3MHz	QPSK	26915	1RB#8	22.81	23.86	PASS
Band26@22	3MHz	QPSK	26915	1RB#14	22.83	23.88	PASS
Band26@22	3MHz	QPSK	26915	8RB#0	21.91	22.96	PASS
Band26@22	3MHz	QPSK	26915	8RB#4	21.92	22.97	PASS
Band26@22	3MHz	QPSK	26915	8RB#7	21.85	22.9	PASS
Band26@22	3MHz	QPSK	26915	15RB#0	21.84	22.89	PASS
Band26@22	3MHz	QPSK	27025	1RB#0	23.13	24.18	PASS

Band26@22	3MHz	QPSK	27025	1RB#8	22.85	23.9	PASS
Band26@22	3MHz	QPSK	27025	1RB#14	22.77	23.82	PASS
Band26@22	3MHz	QPSK	27025	8RB#0	22.07	23.12	PASS
Band26@22	3MHz	QPSK	27025	8RB#4	22.01	23.06	PASS
Band26@22	3MHz	QPSK	27025	8RB#7	21.92	22.97	PASS
Band26@22	3MHz	QPSK	27025	15RB#0	21.98	23.03	PASS
Band26@22	3MHz	16QAM	26805	1RB#0	21.93	22.98	PASS
Band26@22	3MHz	16QAM	26805	1RB#8	21.87	22.92	PASS
Band26@22	3MHz	16QAM	26805	1RB#14	22.19	23.24	PASS
Band26@22	3MHz	16QAM	26805	8RB#0	21.27	22.32	PASS
Band26@22	3MHz	16QAM	26805	8RB#4	21.33	22.38	PASS
Band26@22	3MHz	16QAM	26805	8RB#7	21	22.05	PASS
Band26@22	3MHz	16QAM	26805	15RB#0	21.05	22.1	PASS
Band26@22	3MHz	16QAM	26915	1RB#0	21.72	22.77	PASS
Band26@22	3MHz	16QAM	26915	1RB#8	21.67	22.72	PASS
Band26@22	3MHz	16QAM	26915	1RB#14	21.89	22.94	PASS
Band26@22	3MHz	16QAM	26915	8RB#0	21	22.05	PASS
Band26@22	3MHz	16QAM	26915	8RB#4	21.01	22.06	PASS
Band26@22	3MHz	16QAM	26915	8RB#7	21.01	22.06	PASS
Band26@22	3MHz	16QAM	26915	15RB#0	20.84	21.89	PASS
Band26@22	3MHz	16QAM	27025	1RB#0	22.18	23.23	PASS
Band26@22	3MHz	16QAM	27025	1RB#8	22.2	23.25	PASS
Band26@22	3MHz	16QAM	27025	1RB#14	22.19	23.24	PASS
Band26@22	3MHz	16QAM	27025	8RB#0	20.83	21.88	PASS
Band26@22	3MHz	16QAM	27025	8RB#4	21	22.05	PASS
Band26@22	3MHz	16QAM	27025	8RB#7	21.02	22.07	PASS
Band26@22	3MHz	16QAM	27025	15RB#0	21.02	22.07	PASS
Band26@22	5MHz	QPSK	26815	1RB#0	22.98	24.03	PASS
Band26@22	5MHz	QPSK	26815	1RB#12	22.82	23.87	PASS
Band26@22	5MHz	QPSK	26815	1RB#24	22.82	23.87	PASS
Band26@22	5MHz	QPSK	26815	12RB#0	21.93	22.98	PASS
Band26@22	5MHz	QPSK	26815	12RB#6	21.95	23	PASS
Band26@22	5MHz	QPSK	26815	12RB#13	21.82	22.87	PASS
Band26@22	5MHz	QPSK	26815	25RB#0	21.96	23.01	PASS
Band26@22	5MHz	QPSK	26915	1RB#0	22.93	23.98	PASS
Band26@22	5MHz	QPSK	26915	1RB#12	22.86	23.91	PASS

Band26@22	5MHz	QPSK	26915	1RB#24	22.82	23.87	PASS
Band26@22	5MHz	QPSK	26915	12RB#0	21.85	22.9	PASS
Band26@22	5MHz	QPSK	26915	12RB#6	21.79	22.84	PASS
Band26@22	5MHz	QPSK	26915	12RB#13	21.77	22.82	PASS
Band26@22	5MHz	QPSK	26915	25RB#0	21.76	22.81	PASS
Band26@22	5MHz	QPSK	27015	1RB#0	22.72	23.77	PASS
Band26@22	5MHz	QPSK	27015	1RB#12	22.99	24.04	PASS
Band26@22	5MHz	QPSK	27015	1RB#24	22.97	24.02	PASS
Band26@22	5MHz	QPSK	27015	12RB#0	21.71	22.76	PASS
Band26@22	5MHz	QPSK	27015	12RB#6	21.71	22.76	PASS
Band26@22	5MHz	QPSK	27015	12RB#13	21.97	23.02	PASS
Band26@22	5MHz	QPSK	27015	25RB#0	21.76	22.81	PASS
Band26@22	5MHz	16QAM	26815	1RB#0	21.55	22.6	PASS
Band26@22	5MHz	16QAM	26815	1RB#12	21.39	22.44	PASS
Band26@22	5MHz	16QAM	26815	1RB#24	22.04	23.09	PASS
Band26@22	5MHz	16QAM	26815	12RB#0	20.97	22.02	PASS
Band26@22	5MHz	16QAM	26815	12RB#6	20.91	21.96	PASS
Band26@22	5MHz	16QAM	26815	12RB#13	20.84	21.89	PASS
Band26@22	5MHz	16QAM	26815	25RB#0	20.83	21.88	PASS
Band26@22	5MHz	16QAM	26915	1RB#0	22.15	23.2	PASS
Band26@22	5MHz	16QAM	26915	1RB#12	21.94	22.99	PASS
Band26@22	5MHz	16QAM	26915	1RB#24	22.08	23.13	PASS
Band26@22	5MHz	16QAM	26915	12RB#0	20.88	21.93	PASS
Band26@22	5MHz	16QAM	26915	12RB#6	20.93	21.98	PASS
Band26@22	5MHz	16QAM	26915	12RB#13	20.92	21.97	PASS
Band26@22	5MHz	16QAM	26915	25RB#0	20.83	21.88	PASS
Band26@22	5MHz	16QAM	27015	1RB#0	21.78	22.83	PASS
Band26@22	5MHz	16QAM	27015	1RB#12	21.7	22.75	PASS
Band26@22	5MHz	16QAM	27015	1RB#24	21.62	22.67	PASS
Band26@22	5MHz	16QAM	27015	12RB#0	20.8	21.85	PASS
Band26@22	5MHz	16QAM	27015	12RB#6	20.79	21.84	PASS
Band26@22	5MHz	16QAM	27015	12RB#13	20.98	22.03	PASS
Band26@22	5MHz	16QAM	27015	25RB#0	20.76	21.81	PASS
Band26@22	10MHz	QPSK	26840	1RB#0	22.81	23.86	PASS
Band26@22	10MHz	QPSK	26840	1RB#24	23.02	24.07	PASS
Band26@22	10MHz	QPSK	26840	1RB#49	22.95	24	PASS

Band26@22	10MHz	QPSK	26840	25RB#0	21.88	22.93	PASS
Band26@22	10MHz	QPSK	26840	25RB#12	21.86	22.91	PASS
Band26@22	10MHz	QPSK	26840	25RB#25	21.96	23.01	PASS
Band26@22	10MHz	QPSK	26840	50RB#0	21.9	22.95	PASS
Band26@22	10MHz	QPSK	26915	1RB#0	22.84	23.89	PASS
Band26@22	10MHz	QPSK	26915	1RB#24	22.96	24.01	PASS
Band26@22	10MHz	QPSK	26915	1RB#49	22.92	23.97	PASS
Band26@22	10MHz	QPSK	26915	25RB#0	21.79	22.84	PASS
Band26@22	10MHz	QPSK	26915	25RB#12	21.79	22.84	PASS
Band26@22	10MHz	QPSK	26915	25RB#25	21.82	22.87	PASS
Band26@22	10MHz	QPSK	26915	50RB#0	21.84	22.89	PASS
Band26@22	10MHz	QPSK	26990	1RB#0	22.86	23.91	PASS
Band26@22	10MHz	QPSK	26990	1RB#24	22.6	23.65	PASS
Band26@22	10MHz	QPSK	26990	1RB#49	22.8	23.85	PASS
Band26@22	10MHz	QPSK	26990	25RB#0	21.7	22.75	PASS
Band26@22	10MHz	QPSK	26990	25RB#12	21.72	22.77	PASS
Band26@22	10MHz	QPSK	26990	25RB#25	21.8	22.85	PASS
Band26@22	10MHz	QPSK	26990	50RB#0	21.93	22.98	PASS
Band26@22	10MHz	16QAM	26840	1RB#0	22.07	23.12	PASS
Band26@22	10MHz	16QAM	26840	1RB#24	22.1	23.15	PASS
Band26@22	10MHz	16QAM	26840	1RB#49	21.84	22.89	PASS
Band26@22	10MHz	16QAM	26840	25RB#0	20.99	22.04	PASS
Band26@22	10MHz	16QAM	26840	25RB#12	20.89	21.94	PASS
Band26@22	10MHz	16QAM	26840	25RB#25	20.86	21.91	PASS
Band26@22	10MHz	16QAM	26915	1RB#0	21.9	22.95	PASS
Band26@22	10MHz	16QAM	26915	1RB#24	22.63	23.68	PASS
Band26@22	10MHz	16QAM	26915	1RB#49	21.83	22.88	PASS
Band26@22	10MHz	16QAM	26915	25RB#0	20.87	21.92	PASS
Band26@22	10MHz	16QAM	26915	25RB#12	20.83	21.88	PASS
Band26@22	10MHz	16QAM	26915	25RB#25	20.87	21.92	PASS
Band26@22	10MHz	16QAM	26990	1RB#0	21.76	22.81	PASS
Band26@22	10MHz	16QAM	26990	1RB#24	21.98	23.03	PASS
Band26@22	10MHz	16QAM	26990	1RB#49	21.84	22.89	PASS
Band26@22	10MHz	16QAM	26990	25RB#0	20.77	21.82	PASS
Band26@22	10MHz	16QAM	26990	25RB#12	20.86	21.91	PASS
Band26@22	10MHz	16QAM	26990	25RB#25	20.75	21.8	PASS

Band26@22	15MHz	QPSK	26865	1RB#0	22.92	23.97	PASS
Band26@22	15MHz	QPSK	26865	1RB#38	22.76	23.81	PASS
Band26@22	15MHz	QPSK	26865	1RB#74	22.69	23.74	PASS
Band26@22	15MHz	QPSK	26865	38RB#0	21.53	22.58	PASS
Band26@22	15MHz	QPSK	26865	38RB#18	21.58	22.63	PASS
Band26@22	15MHz	QPSK	26865	38RB#37	21.56	22.61	PASS
Band26@22	15MHz	QPSK	26865	75RB#0	21.73	22.78	PASS
Band26@22	15MHz	QPSK	26915	1RB#0	22.54	23.59	PASS
Band26@22	15MHz	QPSK	26915	1RB#38	22.47	23.52	PASS
Band26@22	15MHz	QPSK	26915	1RB#74	22.62	23.67	PASS
Band26@22	15MHz	QPSK	26915	38RB#0	21.57	22.62	PASS
Band26@22	15MHz	QPSK	26915	38RB#18	21.55	22.6	PASS
Band26@22	15MHz	QPSK	26915	38RB#37	21.55	22.6	PASS
Band26@22	15MHz	QPSK	26915	75RB#0	21.71	22.76	PASS
Band26@22	15MHz	QPSK	26965	1RB#0	22.67	23.72	PASS
Band26@22	15MHz	QPSK	26965	1RB#38	22.51	23.56	PASS
Band26@22	15MHz	QPSK	26965	1RB#74	22.53	23.58	PASS
Band26@22	15MHz	QPSK	26965	38RB#0	21.6	22.65	PASS
Band26@22	15MHz	QPSK	26965	38RB#18	21.59	22.64	PASS
Band26@22	15MHz	QPSK	26965	38RB#37	21.59	22.64	PASS
Band26@22	15MHz	QPSK	26965	75RB#0	21.7	22.75	PASS
Band26@22	15MHz	16QAM	26865	1RB#0	21.6	22.65	PASS
Band26@22	15MHz	16QAM	26865	1RB#38	21.57	22.62	PASS
Band26@22	15MHz	16QAM	26865	1RB#74	21.69	22.74	PASS
Band26@22	15MHz	16QAM	26865	38RB#0	21.49	22.54	PASS
Band26@22	15MHz	16QAM	26865	38RB#18	21.57	22.62	PASS
Band26@22	15MHz	16QAM	26865	38RB#37	21.56	22.61	PASS
Band26@22	15MHz	16QAM	26915	1RB#0	21.7	22.75	PASS
Band26@22	15MHz	16QAM	26915	1RB#38	21.6	22.65	PASS
Band26@22	15MHz	16QAM	26915	1RB#74	21.54	22.59	PASS
Band26@22	15MHz	16QAM	26915	38RB#0	21.55	22.6	PASS
Band26@22	15MHz	16QAM	26915	38RB#18	21.55	22.6	PASS
Band26@22	15MHz	16QAM	26915	38RB#37	21.55	22.6	PASS
Band26@22	15MHz	16QAM	26965	1RB#0	21.8	22.85	PASS
Band26@22	15MHz	16QAM	26965	1RB#38	21.82	22.87	PASS
Band26@22	15MHz	16QAM	26965	1RB#74	21.69	22.74	PASS

Band26@22	15MHz	16QAM	26965	38RB#0	21.59	22.64	PASS
Band26@22	15MHz	16QAM	26965	38RB#18	21.59	22.64	PASS
Band26@22	15MHz	16QAM	26965	38RB#37	21.59	22.64	PASS
Band26@90	1.4MHz	QPSK	26697	1RB#0	22.65	23.7	PASS
Band26@90	1.4MHz	QPSK	26697	1RB#2	22.63	23.68	PASS
Band26@90	1.4MHz	QPSK	26697	1RB#5	22.78	23.83	PASS
Band26@90	1.4MHz	QPSK	26697	3RB#0	22.72	23.77	PASS
Band26@90	1.4MHz	QPSK	26697	3RB#1	22.78	23.83	PASS
Band26@90	1.4MHz	QPSK	26697	3RB#3	22.79	23.84	PASS
Band26@90	1.4MHz	QPSK	26697	6RB#0	21.77	22.82	PASS
Band26@90	1.4MHz	QPSK	26740	1RB#0	22.83	23.88	PASS
Band26@90	1.4MHz	QPSK	26740	1RB#2	23.05	24.1	PASS
Band26@90	1.4MHz	QPSK	26740	1RB#5	22.89	23.94	PASS
Band26@90	1.4MHz	QPSK	26740	3RB#0	23.03	24.08	PASS
Band26@90	1.4MHz	QPSK	26740	3RB#1	23.04	24.09	PASS
Band26@90	1.4MHz	QPSK	26740	3RB#3	23.04	24.09	PASS
Band26@90	1.4MHz	QPSK	26740	6RB#0	22.02	23.07	PASS
Band26@90	1.4MHz	QPSK	26783	1RB#0	22.96	24.01	PASS
Band26@90	1.4MHz	QPSK	26783	1RB#2	22.92	23.97	PASS
Band26@90	1.4MHz	QPSK	26783	1RB#5	22.8	23.85	PASS
Band26@90	1.4MHz	QPSK	26783	3RB#0	22.96	24.01	PASS
Band26@90	1.4MHz	QPSK	26783	3RB#1	22.88	23.93	PASS
Band26@90	1.4MHz	QPSK	26783	3RB#3	22.94	23.99	PASS
Band26@90	1.4MHz	QPSK	26783	6RB#0	22.07	23.12	PASS
Band26@90	1.4MHz	16QAM	26697	1RB#0	21.7	22.75	PASS
Band26@90	1.4MHz	16QAM	26697	1RB#2	21.79	22.84	PASS
Band26@90	1.4MHz	16QAM	26697	1RB#5	21.8	22.85	PASS
Band26@90	1.4MHz	16QAM	26697	3RB#0	21.68	22.73	PASS
Band26@90	1.4MHz	16QAM	26697	3RB#1	21.63	22.68	PASS
Band26@90	1.4MHz	16QAM	26697	3RB#3	21.91	22.96	PASS
Band26@90	1.4MHz	16QAM	26697	6RB#0	20.78	21.83	PASS
Band26@90	1.4MHz	16QAM	26740	1RB#0	22.34	23.39	PASS
Band26@90	1.4MHz	16QAM	26740	1RB#2	22.48	23.53	PASS
Band26@90	1.4MHz	16QAM	26740	1RB#5	22.48	23.53	PASS
Band26@90	1.4MHz	16QAM	26740	3RB#0	21.89	22.94	PASS
Band26@90	1.4MHz	16QAM	26740	3RB#1	21.96	23.01	PASS

Band26@90	1.4MHz	16QAM	26740	3RB#3	22.04	23.09	PASS
Band26@90	1.4MHz	16QAM	26740	6RB#0	21.1	22.15	PASS
Band26@90	1.4MHz	16QAM	26783	1RB#0	22.35	23.4	PASS
Band26@90	1.4MHz	16QAM	26783	1RB#2	22.35	23.4	PASS
Band26@90	1.4MHz	16QAM	26783	1RB#5	22.02	23.07	PASS
Band26@90	1.4MHz	16QAM	26783	3RB#0	21.86	22.91	PASS
Band26@90	1.4MHz	16QAM	26783	3RB#1	21.58	22.63	PASS
Band26@90	1.4MHz	16QAM	26783	3RB#3	22.06	23.11	PASS
Band26@90	1.4MHz	16QAM	26783	6RB#0	21.13	22.18	PASS
Band26@90	3MHz	QPSK	26705	1RB#0	22.69	23.74	PASS
Band26@90	3MHz	QPSK	26705	1RB#8	22.83	23.88	PASS
Band26@90	3MHz	QPSK	26705	1RB#14	22.96	24.01	PASS
Band26@90	3MHz	QPSK	26705	8RB#0	21.56	22.61	PASS
Band26@90	3MHz	QPSK	26705	8RB#4	21.55	22.6	PASS
Band26@90	3MHz	QPSK	26705	8RB#7	21.95	23	PASS
Band26@90	3MHz	QPSK	26705	15RB#0	21.72	22.77	PASS
Band26@90	3MHz	QPSK	26740	1RB#0	23	24.05	PASS
Band26@90	3MHz	QPSK	26740	1RB#8	22.84	23.89	PASS
Band26@90	3MHz	QPSK	26740	1RB#14	22.95	24	PASS
Band26@90	3MHz	QPSK	26740	8RB#0	22	23.05	PASS
Band26@90	3MHz	QPSK	26740	8RB#4	22.01	23.06	PASS
Band26@90	3MHz	QPSK	26740	8RB#7	22.11	23.16	PASS
Band26@90	3MHz	QPSK	26740	15RB#0	22	23.05	PASS
Band26@90	3MHz	QPSK	26775	1RB#0	23.12	24.17	PASS
Band26@90	3MHz	QPSK	26775	1RB#8	22.7	23.75	PASS
Band26@90	3MHz	QPSK	26775	1RB#14	22.82	23.87	PASS
Band26@90	3MHz	QPSK	26775	8RB#0	21.97	23.02	PASS
Band26@90	3MHz	QPSK	26775	8RB#4	21.9	22.95	PASS
Band26@90	3MHz	QPSK	26775	8RB#7	21.93	22.98	PASS
Band26@90	3MHz	QPSK	26775	15RB#0	21.87	22.92	PASS
Band26@90	3MHz	16QAM	26705	1RB#0	21.74	22.79	PASS
Band26@90	3MHz	16QAM	26705	1RB#8	21.78	22.83	PASS
Band26@90	3MHz	16QAM	26705	1RB#14	21.6	22.65	PASS
Band26@90	3MHz	16QAM	26705	8RB#0	21	22.05	PASS
Band26@90	3MHz	16QAM	26705	8RB#4	20.71	21.76	PASS
Band26@90	3MHz	16QAM	26705	8RB#7	21.08	22.13	PASS

Band26@90	3MHz	16QAM	26705	15RB#0	20.82	21.87	PASS
Band26@90	3MHz	16QAM	26740	1RB#0	21.78	22.83	PASS
Band26@90	3MHz	16QAM	26740	1RB#8	22.09	23.14	PASS
Band26@90	3MHz	16QAM	26740	1RB#14	22.1	23.15	PASS
Band26@90	3MHz	16QAM	26740	8RB#0	20.91	21.96	PASS
Band26@90	3MHz	16QAM	26740	8RB#4	21.19	22.24	PASS
Band26@90	3MHz	16QAM	26740	8RB#7	21.12	22.17	PASS
Band26@90	3MHz	16QAM	26740	15RB#0	21.21	22.26	PASS
Band26@90	3MHz	16QAM	26775	1RB#0	21.87	22.92	PASS
Band26@90	3MHz	16QAM	26775	1RB#8	21.69	22.74	PASS
Band26@90	3MHz	16QAM	26775	1RB#14	21.88	22.93	PASS
Band26@90	3MHz	16QAM	26775	8RB#0	20.85	21.9	PASS
Band26@90	3MHz	16QAM	26775	8RB#4	21.04	22.09	PASS
Band26@90	3MHz	16QAM	26775	8RB#7	20.97	22.02	PASS
Band26@90	3MHz	16QAM	26775	15RB#0	20.99	22.04	PASS
Band26@90	5MHz	QPSK	26715	1RB#0	22.84	23.89	PASS
Band26@90	5MHz	QPSK	26715	1RB#12	22.95	24	PASS
Band26@90	5MHz	QPSK	26715	1RB#24	22.98	24.03	PASS
Band26@90	5MHz	QPSK	26715	12RB#0	21.57	22.62	PASS
Band26@90	5MHz	QPSK	26715	12RB#6	21.56	22.61	PASS
Band26@90	5MHz	QPSK	26715	12RB#13	21.89	22.94	PASS
Band26@90	5MHz	QPSK	26715	25RB#0	21.73	22.78	PASS
Band26@90	5MHz	QPSK	26740	1RB#0	22.75	23.8	PASS
Band26@90	5MHz	QPSK	26740	1RB#12	22.89	23.94	PASS
Band26@90	5MHz	QPSK	26740	1RB#24	22.83	23.88	PASS
Band26@90	5MHz	QPSK	26740	12RB#0	21.89	22.94	PASS
Band26@90	5MHz	QPSK	26740	12RB#6	21.82	22.87	PASS
Band26@90	5MHz	QPSK	26740	12RB#13	21.94	22.99	PASS
Band26@90	5MHz	QPSK	26740	25RB#0	21.94	22.99	PASS
Band26@90	5MHz	QPSK	26765	1RB#0	23	24.05	PASS
Band26@90	5MHz	QPSK	26765	1RB#12	22.73	23.78	PASS
Band26@90	5MHz	QPSK	26765	1RB#24	22.83	23.88	PASS
Band26@90	5MHz	QPSK	26765	12RB#0	21.98	23.03	PASS
Band26@90	5MHz	QPSK	26765	12RB#6	22	23.05	PASS
Band26@90	5MHz	QPSK	26765	12RB#13	21.79	22.84	PASS
Band26@90	5MHz	QPSK	26765	25RB#0	21.9	22.95	PASS

Band26@90	5MHz	16QAM	26715	1RB#0	21.79	22.84	PASS
Band26@90	5MHz	16QAM	26715	1RB#12	21.74	22.79	PASS
Band26@90	5MHz	16QAM	26715	1RB#24	21.84	22.89	PASS
Band26@90	5MHz	16QAM	26715	12RB#0	20.72	21.77	PASS
Band26@90	5MHz	16QAM	26715	12RB#6	20.71	21.76	PASS
Band26@90	5MHz	16QAM	26715	12RB#13	20.96	22.01	PASS
Band26@90	5MHz	16QAM	26715	25RB#0	20.69	21.74	PASS
Band26@90	5MHz	16QAM	26740	1RB#0	21.86	22.91	PASS
Band26@90	5MHz	16QAM	26740	1RB#12	22.09	23.14	PASS
Band26@90	5MHz	16QAM	26740	1RB#24	22.11	23.16	PASS
Band26@90	5MHz	16QAM	26740	12RB#0	20.74	21.79	PASS
Band26@90	5MHz	16QAM	26740	12RB#6	20.75	21.8	PASS
Band26@90	5MHz	16QAM	26740	12RB#13	20.89	21.94	PASS
Band26@90	5MHz	16QAM	26740	25RB#0	21.08	22.13	PASS
Band26@90	5MHz	16QAM	26765	1RB#0	22.01	23.06	PASS
Band26@90	5MHz	16QAM	26765	1RB#12	21.54	22.59	PASS
Band26@90	5MHz	16QAM	26765	1RB#24	22	23.05	PASS
Band26@90	5MHz	16QAM	26765	12RB#0	20.99	22.04	PASS
Band26@90	5MHz	16QAM	26765	12RB#6	21	22.05	PASS
Band26@90	5MHz	16QAM	26765	12RB#13	20.8	21.85	PASS
Band26@90	5MHz	16QAM	26765	25RB#0	20.92	21.97	PASS
Band26@90	10MHz	QPSK	26740	1RB#0	22.62	23.67	PASS
Band26@90	10MHz	QPSK	26740	1RB#24	23.07	24.12	PASS
Band26@90	10MHz	QPSK	26740	1RB#49	22.93	23.98	PASS
Band26@90	10MHz	QPSK	26740	25RB#0	21.6	22.65	PASS
Band26@90	10MHz	QPSK	26740	25RB#12	21.79	22.84	PASS
Band26@90	10MHz	QPSK	26740	25RB#25	21.83	22.88	PASS
Band26@90	10MHz	QPSK	26740	50RB#0	21.75	22.8	PASS
Band26@90	10MHz	16QAM	26740	1RB#0	21.53	22.58	PASS
Band26@90	10MHz	16QAM	26740	1RB#24	22.38	23.43	PASS
Band26@90	10MHz	16QAM	26740	1RB#49	22.27	23.32	PASS
Band26@90	10MHz	16QAM	26740	25RB#0	20.76	21.81	PASS
Band26@90	10MHz	16QAM	26740	25RB#12	20.79	21.84	PASS
Band26@90	10MHz	16QAM	26740	25RB#25	21.11	22.16	PASS

4.3 Peak-to-Average Ratio

4.3.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth.

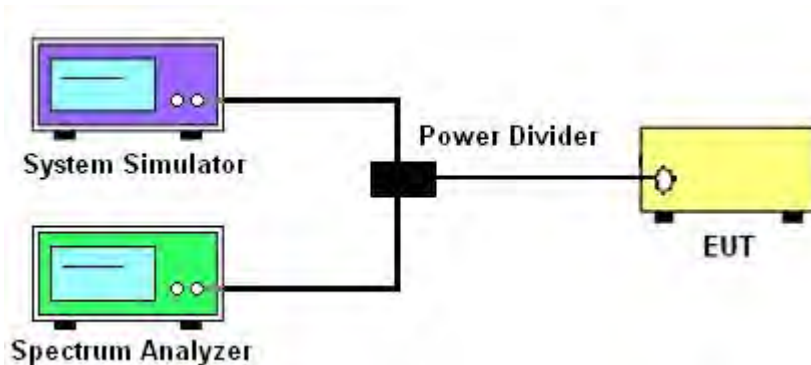
4.3.2 Limit

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

4.3.3 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF)
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. Set EUT to transmit at maximum output power.
4. The signal analyzer's CCDF measurement profile is enabled
5. Frequency = carrier center frequency
6. Measurement BW > Emission bandwidth of signal
7. When the duty cycle is less than 98%, then signal gating will be implemented on the spectrum analyzer by triggering from the system simulator.
8. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer. Record the maximum PAPR level associated with a probability of 0.1%.

4.3.4 Test Setup



4.3.5 Test Results

WCDMA

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	2.93	13	PASS
Band2	9400	2.96	13	PASS
Band2	9538	2.82	13	PASS
Band4	1312	2.98	13	PASS
Band4	1413	3.01	13	PASS
Band4	1513	2.66	13	PASS
Band5	4132	3.09	13	PASS
Band5	4183	2.94	13	PASS
Band5	4233	3.02	13	PASS

LTE Cat 1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	4.74	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	5.01	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	4.56	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	5.02	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	4.25	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.66	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	5.53	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.84	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	5.44	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.82	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	5.15	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.55	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	4.72	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	5.09	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	4.59	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	5.08	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	4.50	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.82	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	5.57	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.85	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	5.32	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.91	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	5.20	13	PASS

Band2	3MHz	16QAM	19185	15RB#0	5.65	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	4.66	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	5.16	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	4.57	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	5.02	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	4.58	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.90	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	5.45	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.91	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	5.31	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.81	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	5.34	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.67	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	4.66	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	5.02	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	4.54	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	4.95	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	4.62	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	5.06	13	PASS
Band2	10MHz	16QAM	18650	1RB#0	5.42	13	PASS
Band2	10MHz	16QAM	18650	1RB#49	5.17	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	5.48	13	PASS
Band2	10MHz	16QAM	18900	1RB#49	5.47	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	5.33	13	PASS
Band2	10MHz	16QAM	19150	1RB#49	5.01	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	4.64	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.05	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	4.50	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.13	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	4.34	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	5.40	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	5.34	13	PASS
Band2	15MHz	16QAM	18675	1RB#74	5.06	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	5.39	13	PASS
Band2	15MHz	16QAM	18900	1RB#74	5.26	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	5.11	13	PASS
Band2	15MHz	16QAM	19125	1RB#74	4.95	13	PASS

Band2	20MHz	QPSK	18700	1RB#0	4.62	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	4.82	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	4.44	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.03	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	4.33	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.22	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	5.33	13	PASS
Band2	20MHz	16QAM	18700	1RB#99	5.14	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	5.38	13	PASS
Band2	20MHz	16QAM	18900	1RB#99	5.21	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	5.05	13	PASS
Band2	20MHz	16QAM	19100	1RB#99	4.93	13	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	4.34	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.90	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	4.44	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.90	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	4.18	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.66	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.28	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.68	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.26	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.75	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.96	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.42	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	4.37	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.94	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	4.48	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.00	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	4.15	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.68	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	5.29	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.75	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	5.52	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.81	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.95	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.50	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.31	13	PASS

Band4	5MHz	QPSK	19975	25RB#0	4.95	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	4.47	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.99	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.02	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.63	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	5.24	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.78	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	5.38	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.81	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	4.75	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	8.43	13	PASS
Band4	10MHz	QPSK	20000	1RB#0	4.35	13	PASS
Band4	10MHz	QPSK	20000	1RB#50	4.30	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	4.47	13	PASS
Band4	10MHz	QPSK	20175	1RB#50	4.33	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	3.92	13	PASS
Band4	10MHz	QPSK	20350	1RB#50	3.90	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.93	13	PASS
Band4	10MHz	16QAM	20000	1RB#49	5.38	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	5.27	13	PASS
Band4	10MHz	16QAM	20175	1RB#49	5.22	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	4.92	13	PASS
Band4	10MHz	16QAM	20350	1RB#49	5.20	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	4.33	13	PASS
Band4	15MHz	QPSK	20025	1RB#74	4.49	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.10	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	4.50	13	PASS
Band4	15MHz	QPSK	20175	1RB#74	4.11	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.21	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	3.92	13	PASS
Band4	15MHz	QPSK	20325	1RB#74	4.21	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.95	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	5.19	13	PASS
Band4	15MHz	16QAM	20025	1RB#74	5.34	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	5.40	13	PASS
Band4	15MHz	16QAM	20175	1RB#74	5.03	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	4.88	13	PASS

Band4	15MHz	16QAM	20325	1RB#74	5.00	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.33	13	PASS
Band4	20MHz	QPSK	20050	1RB#99	4.41	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.03	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	4.54	13	PASS
Band4	20MHz	QPSK	20175	1RB#99	4.04	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.01	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.21	13	PASS
Band4	20MHz	QPSK	20300	1RB#99	4.18	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.88	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	5.11	13	PASS
Band4	20MHz	16QAM	20050	1RB#99	5.22	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	5.34	13	PASS
Band4	20MHz	16QAM	20175	1RB#99	4.80	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.12	13	PASS
Band4	20MHz	16QAM	20300	1RB#99	5.00	13	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	4.72	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.31	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.64	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.26	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.29	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.91	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.57	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.09	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.61	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.04	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.08	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.77	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.68	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.30	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.63	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.21	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.42	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.99	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.53	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.24	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.54	13	PASS

Band5	3MHz	16QAM	20525	15RB#0	6.08	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.36	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.95	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.62	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.29	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.60	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.21	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.59	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.07	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.59	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.09	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.60	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	7.62	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.43	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.91	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.61	13	PASS
Band5	10MHz	QPSK	20450	1RB#49	4.60	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.37	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.60	13	PASS
Band5	10MHz	QPSK	20525	1RB#49	4.54	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.18	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.49	13	PASS
Band5	10MHz	QPSK	20600	1RB#49	4.23	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.25	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.34	13	PASS
Band5	10MHz	16QAM	20450	1RB#49	5.51	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.55	13	PASS
Band5	10MHz	16QAM	20525	1RB#49	5.55	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.41	13	PASS
Band5	10MHz	16QAM	20600	1RB#49	5.19	13	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	4.11	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.76	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.14	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.72	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.23	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.74	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.09	13	PASS

Band12	1.4MHz	16QAM	23017	6RB#0	5.61	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	4.96	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.63	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.20	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.67	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.17	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.91	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.18	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.72	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.27	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.87	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.18	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.75	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.07	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.68	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.12	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.71	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.21	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.95	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.19	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.74	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.18	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.89	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.17	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.77	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.95	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.60	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.93	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.70	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.21	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.95	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.32	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.91	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.03	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.85	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.14	13	PASS
Band12	10MHz	16QAM	23060	1RB#49	4.82	13	PASS

Band12	10MHz	16QAM	23095	1RB#0	5.28	13	PASS
Band12	10MHz	16QAM	23095	1RB#49	5.20	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.05	13	PASS
Band12	10MHz	16QAM	23130	1RB#49	5.14	13	PASS
Band13	5MHz	QPSK	23205	1RB#0	4.30	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.04	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.47	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.10	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.49	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.10	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.14	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.82	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	5.29	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.97	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.41	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.89	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.34	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.18	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.32	13	PASS
Band13	10MHz	16QAM	23230	1RB#49	5.23	13	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	4.74	13	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	5.00	13	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	4.49	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	4.98	13	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	4.32	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	4.86	13	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	5.60	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	5.81	13	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	5.41	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	5.85	13	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	5.21	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	5.62	13	PASS
Band25	3MHz	QPSK	26055	1RB#0	4.71	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	5.06	13	PASS
Band25	3MHz	QPSK	26365	1RB#0	4.59	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	5.03	13	PASS
Band25	3MHz	QPSK	26675	1RB#0	4.19	13	PASS

Band25	3MHz	QPSK	26675	15RB#0	4.65	13	PASS
Band25	3MHz	16QAM	26055	1RB#0	5.52	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	5.93	13	PASS
Band25	3MHz	16QAM	26365	1RB#0	5.44	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	5.86	13	PASS
Band25	3MHz	16QAM	26675	1RB#0	4.99	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	5.50	13	PASS
Band25	5MHz	QPSK	26065	1RB#0	4.67	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	5.09	13	PASS
Band25	5MHz	QPSK	26365	1RB#0	4.55	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	5.05	13	PASS
Band25	5MHz	QPSK	26665	1RB#0	4.16	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.65	13	PASS
Band25	5MHz	16QAM	26065	1RB#0	5.45	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	5.86	13	PASS
Band25	5MHz	16QAM	26365	1RB#0	5.42	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	5.84	13	PASS
Band25	5MHz	16QAM	26665	1RB#0	5.11	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	5.43	13	PASS
Band25	10MHz	QPSK	26090	1RB#0	4.67	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	5.04	13	PASS
Band25	10MHz	QPSK	26365	1RB#0	4.51	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	5.02	13	PASS
Band25	10MHz	QPSK	26640	1RB#0	4.52	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	4.64	13	PASS
Band25	10MHz	16QAM	26090	1RB#0	5.44	13	PASS
Band25	10MHz	16QAM	26090	1RB#49	5.24	13	PASS
Band25	10MHz	16QAM	26365	1RB#0	5.61	13	PASS
Band25	10MHz	16QAM	26365	1RB#49	5.48	13	PASS
Band25	10MHz	16QAM	26640	1RB#0	5.34	13	PASS
Band25	10MHz	16QAM	26640	1RB#49	5.02	13	PASS
Band25	15MHz	QPSK	26115	1RB#0	4.65	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.10	13	PASS
Band25	15MHz	QPSK	26365	1RB#0	4.50	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.22	13	PASS
Band25	15MHz	QPSK	26615	1RB#0	4.57	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	4.98	13	PASS

Band25	15MHz	16QAM	26115	1RB#0	5.46	13	PASS
Band25	15MHz	16QAM	26115	1RB#74	5.17	13	PASS
Band25	15MHz	16QAM	26365	1RB#0	5.21	13	PASS
Band25	15MHz	16QAM	26365	1RB#74	5.23	13	PASS
Band25	15MHz	16QAM	26615	1RB#0	5.38	13	PASS
Band25	15MHz	16QAM	26615	1RB#74	5.11	13	PASS
Band25	20MHz	QPSK	26140	1RB#0	4.58	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	4.81	13	PASS
Band25	20MHz	QPSK	26365	1RB#0	4.51	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.08	13	PASS
Band25	20MHz	QPSK	26590	1RB#0	4.37	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.19	13	PASS
Band25	20MHz	16QAM	26140	1RB#0	5.36	13	PASS
Band25	20MHz	16QAM	26140	1RB#99	5.15	13	PASS
Band25	20MHz	16QAM	26365	1RB#0	5.37	13	PASS
Band25	20MHz	16QAM	26365	1RB#99	5.43	13	PASS
Band25	20MHz	16QAM	26590	1RB#0	5.02	13	PASS
Band25	20MHz	16QAM	26590	1RB#99	4.93	13	PASS
Band26@90	1.4MHz	QPSK	26697	1RB#0	4.64	13	PASS
Band26@90	1.4MHz	QPSK	26697	6RB#0	5.13	13	PASS
Band26@90	1.4MHz	QPSK	26740	1RB#0	4.59	13	PASS
Band26@90	1.4MHz	QPSK	26740	6RB#0	5.10	13	PASS
Band26@90	1.4MHz	QPSK	26783	1RB#0	4.59	13	PASS
Band26@90	1.4MHz	QPSK	26783	6RB#0	5.20	13	PASS
Band26@90	1.4MHz	16QAM	26697	1RB#0	5.68	13	PASS
Band26@90	1.4MHz	16QAM	26697	6RB#0	6.02	13	PASS
Band26@90	1.4MHz	16QAM	26740	1RB#0	5.52	13	PASS
Band26@90	1.4MHz	16QAM	26740	6RB#0	5.96	13	PASS
Band26@90	1.4MHz	16QAM	26783	1RB#0	5.42	13	PASS
Band26@90	1.4MHz	16QAM	26783	6RB#0	6.00	13	PASS
Band26@90	3MHz	QPSK	26705	1RB#0	4.65	13	PASS
Band26@90	3MHz	QPSK	26705	15RB#0	5.19	13	PASS
Band26@90	3MHz	QPSK	26740	1RB#0	4.55	13	PASS
Band26@90	3MHz	QPSK	26740	15RB#0	5.18	13	PASS
Band26@90	3MHz	QPSK	26775	1RB#0	4.56	13	PASS
Band26@90	3MHz	QPSK	26775	15RB#0	5.19	13	PASS
Band26@90	3MHz	16QAM	26705	1RB#0	5.48	13	PASS

Band26@90	3MHz	16QAM	26705	15RB#0	6.04	13	PASS
Band26@90	3MHz	16QAM	26740	1RB#0	5.45	13	PASS
Band26@90	3MHz	16QAM	26740	15RB#0	6.01	13	PASS
Band26@90	3MHz	16QAM	26775	1RB#0	5.52	13	PASS
Band26@90	3MHz	16QAM	26775	15RB#0	6.10	13	PASS
Band26@90	5MHz	QPSK	26715	1RB#0	4.56	13	PASS
Band26@90	5MHz	QPSK	26715	25RB#0	5.17	13	PASS
Band26@90	5MHz	QPSK	26740	1RB#0	4.54	13	PASS
Band26@90	5MHz	QPSK	26740	25RB#0	5.13	13	PASS
Band26@90	5MHz	QPSK	26765	1RB#0	4.53	13	PASS
Band26@90	5MHz	QPSK	26765	25RB#0	5.18	13	PASS
Band26@90	5MHz	16QAM	26715	1RB#0	5.44	13	PASS
Band26@90	5MHz	16QAM	26715	25RB#0	6.00	13	PASS
Band26@90	5MHz	16QAM	26740	1RB#0	5.32	13	PASS
Band26@90	5MHz	16QAM	26740	25RB#0	5.97	13	PASS
Band26@90	5MHz	16QAM	26765	1RB#0	5.43	13	PASS
Band26@90	5MHz	16QAM	26765	25RB#0	5.94	13	PASS
Band26@90	10MHz	QPSK	26740	1RB#0	4.57	13	PASS
Band26@90	10MHz	QPSK	26740	50RB#0	5.14	13	PASS
Band26@90	10MHz	16QAM	26740	1RB#0	5.48	13	PASS
Band26@90	10MHz	16QAM	26740	1RB#49	5.38	13	PASS
Band26@22	1.4MHz	QPSK	26797	1RB#0	4.71	13	PASS
Band26@22	1.4MHz	QPSK	26797	6RB#0	5.24	13	PASS
Band26@22	1.4MHz	QPSK	26915	1RB#0	4.69	13	PASS
Band26@22	1.4MHz	QPSK	26915	6RB#0	5.16	13	PASS
Band26@22	1.4MHz	QPSK	27033	1RB#0	4.33	13	PASS
Band26@22	1.4MHz	QPSK	27033	6RB#0	4.93	13	PASS
Band26@22	1.4MHz	16QAM	26797	1RB#0	5.63	13	PASS
Band26@22	1.4MHz	16QAM	26797	6RB#0	5.99	13	PASS
Band26@22	1.4MHz	16QAM	26915	1RB#0	5.62	13	PASS
Band26@22	1.4MHz	16QAM	26915	6RB#0	5.99	13	PASS
Band26@22	1.4MHz	16QAM	27033	1RB#0	5.18	13	PASS
Band26@22	1.4MHz	16QAM	27033	6RB#0	5.84	13	PASS
Band26@22	3MHz	QPSK	26805	1RB#0	4.67	13	PASS
Band26@22	3MHz	QPSK	26805	15RB#0	5.27	13	PASS
Band26@22	3MHz	QPSK	26915	1RB#0	4.63	13	PASS
Band26@22	3MHz	QPSK	26915	15RB#0	5.19	13	PASS

Band26@22	3MHz	QPSK	27025	1RB#0	4.41	13	PASS
Band26@22	3MHz	QPSK	27025	15RB#0	4.92	13	PASS
Band26@22	3MHz	16QAM	26805	1RB#0	5.51	13	PASS
Band26@22	3MHz	16QAM	26805	15RB#0	6.14	13	PASS
Band26@22	3MHz	16QAM	26915	1RB#0	8.40	13	PASS
Band26@22	3MHz	16QAM	26915	15RB#0	6.08	13	PASS
Band26@22	3MHz	16QAM	27025	1RB#0	5.21	13	PASS
Band26@22	3MHz	16QAM	27025	15RB#0	5.87	13	PASS
Band26@22	5MHz	QPSK	26815	1RB#0	4.63	13	PASS
Band26@22	5MHz	QPSK	26815	25RB#0	5.27	13	PASS
Band26@22	5MHz	QPSK	26915	1RB#0	4.62	13	PASS
Band26@22	5MHz	QPSK	26915	25RB#0	5.18	13	PASS
Band26@22	5MHz	QPSK	27015	1RB#0	4.54	13	PASS
Band26@22	5MHz	QPSK	27015	25RB#0	5.04	13	PASS
Band26@22	5MHz	16QAM	26815	1RB#0	5.49	13	PASS
Band26@22	5MHz	16QAM	26815	25RB#0	6.06	13	PASS
Band26@22	5MHz	16QAM	26915	1RB#0	5.52	13	PASS
Band26@22	5MHz	16QAM	26915	25RB#0	6.03	13	PASS
Band26@22	5MHz	16QAM	27015	1RB#0	5.29	13	PASS
Band26@22	5MHz	16QAM	27015	25RB#0	5.88	13	PASS
Band26@22	10MHz	QPSK	26840	1RB#0	8.42	13	PASS
Band26@22	10MHz	QPSK	26840	1RB#49	4.60	13	PASS
Band26@22	10MHz	QPSK	26840	50RB#0	5.33	13	PASS
Band26@22	10MHz	QPSK	26915	1RB#0	4.61	13	PASS
Band26@22	10MHz	QPSK	26915	1RB#49	4.50	13	PASS
Band26@22	10MHz	QPSK	26915	50RB#0	5.16	13	PASS
Band26@22	10MHz	QPSK	26990	1RB#0	4.51	13	PASS
Band26@22	10MHz	QPSK	26990	1RB#49	4.27	13	PASS
Band26@22	10MHz	QPSK	26990	50RB#0	5.22	13	PASS
Band26@22	10MHz	16QAM	26840	1RB#0	5.47	13	PASS
Band26@22	10MHz	16QAM	26840	1RB#49	5.32	13	PASS
Band26@22	10MHz	16QAM	26915	1RB#0	5.75	13	PASS
Band26@22	10MHz	16QAM	26915	1RB#49	5.64	13	PASS
Band26@22	10MHz	16QAM	26990	1RB#0	5.42	13	PASS
Band26@22	10MHz	16QAM	26990	1RB#49	5.17	13	PASS
Band26@22	15MHz	QPSK	26865	1RB#0	4.60	13	PASS
Band26@22	15MHz	QPSK	26865	1RB#74	4.50	13	PASS

Band26@22	15MHz	QPSK	26865	75RB#0	5.50	13	PASS
Band26@22	15MHz	QPSK	26915	1RB#0	4.65	13	PASS
Band26@22	15MHz	QPSK	26915	1RB#74	4.52	13	PASS
Band26@22	15MHz	QPSK	26915	75RB#0	5.31	13	PASS
Band26@22	15MHz	QPSK	26965	1RB#0	4.55	13	PASS
Band26@22	15MHz	QPSK	26965	1RB#74	4.20	13	PASS
Band26@22	15MHz	QPSK	26965	75RB#0	5.45	13	PASS
Band26@22	15MHz	16QAM	26865	1RB#0	5.54	13	PASS
Band26@22	15MHz	16QAM	26865	1RB#74	5.35	13	PASS
Band26@22	15MHz	16QAM	26915	1RB#0	5.52	13	PASS
Band26@22	15MHz	16QAM	26915	1RB#74	5.31	13	PASS
Band26@22	15MHz	16QAM	26965	1RB#0	5.47	13	PASS
Band26@22	15MHz	16QAM	26965	1RB#74	4.99	13	PASS

4.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement

4.4.1 Description of 99% Occupied Bandwidth and 26dB Bandwidth Measurement

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

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

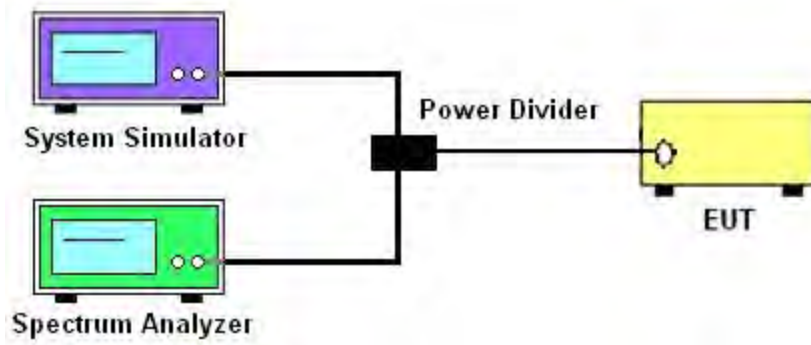
4.4.2 Limit

For reporting purposes only

4.4.3 Test Procedures

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

4.4.4 Test Setup

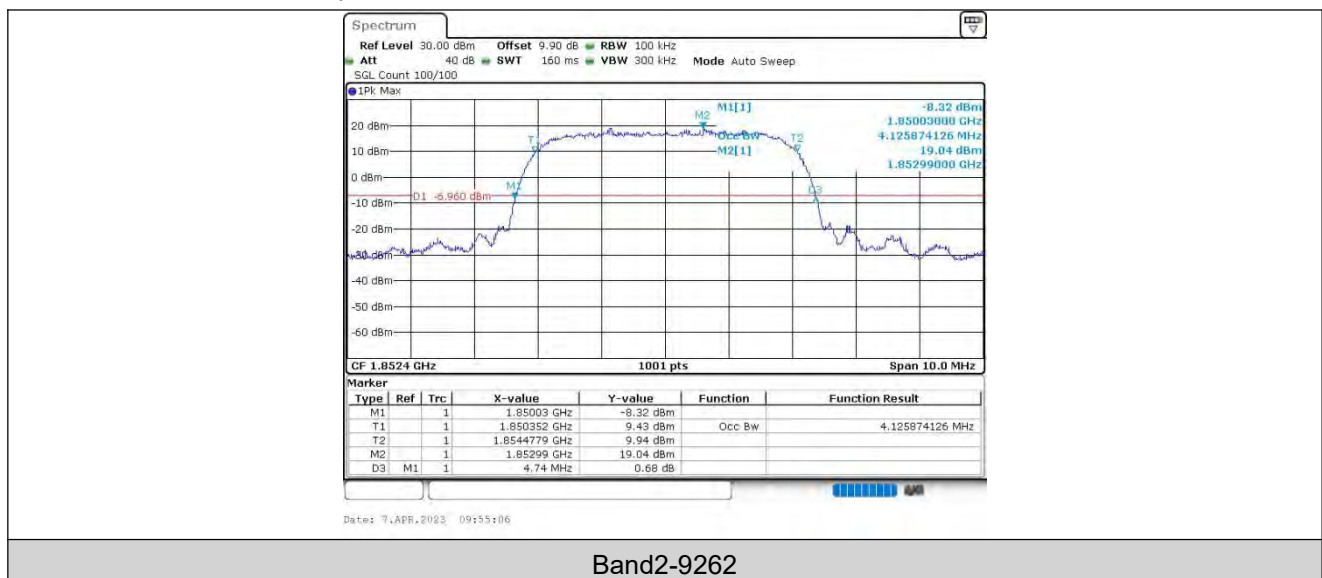


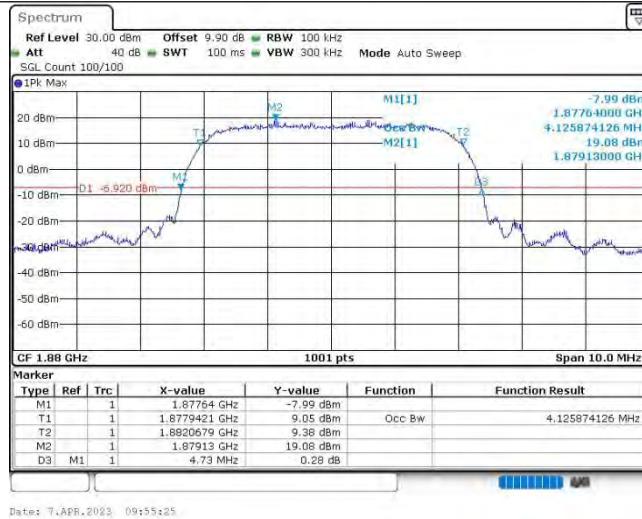
4.4.5 Test Results

WCDMA Test Result

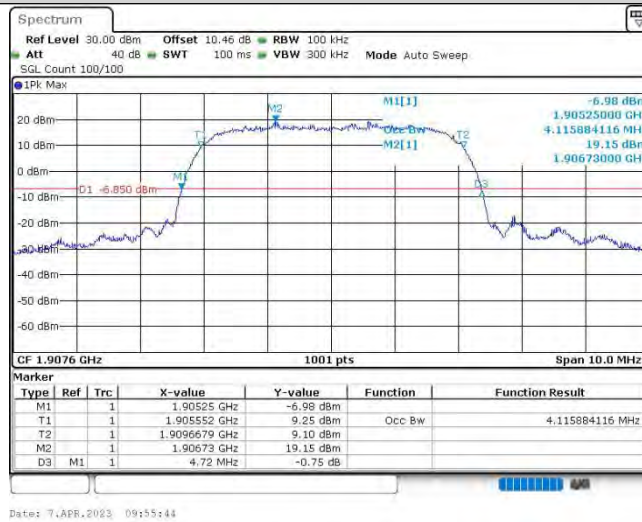
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9262	4.126	4.74	---	PASS
Band2	9400	4.126	4.73	---	PASS
Band2	9538	4.116	4.72	---	PASS
Band4	1312	4.126	4.72	---	PASS
Band4	1413	4.126	4.72	---	PASS
Band4	1513	4.126	4.74	---	PASS
Band5	4132	4.126	4.72	---	PASS
Band5	4183	4.126	4.71	---	PASS
Band5	4233	4.106	4.72	---	PASS

WCDMA Test Graphs





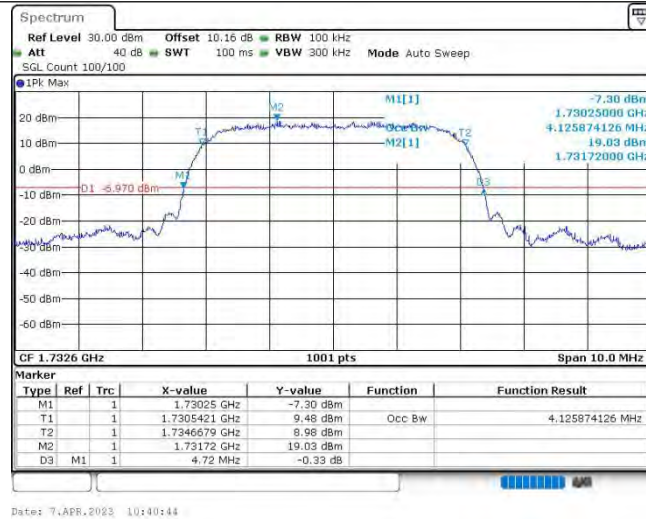
Band2-9400



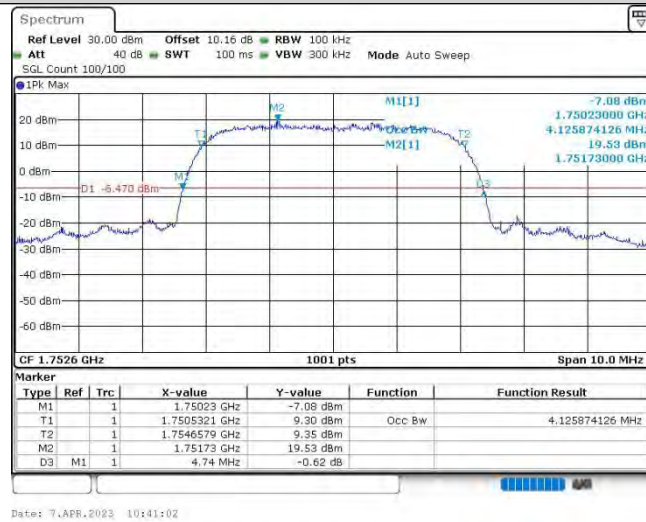
Band2-9538



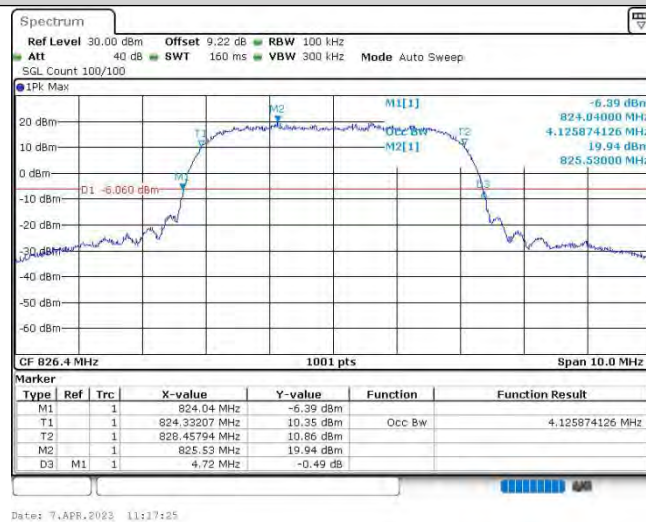
Band4-1312



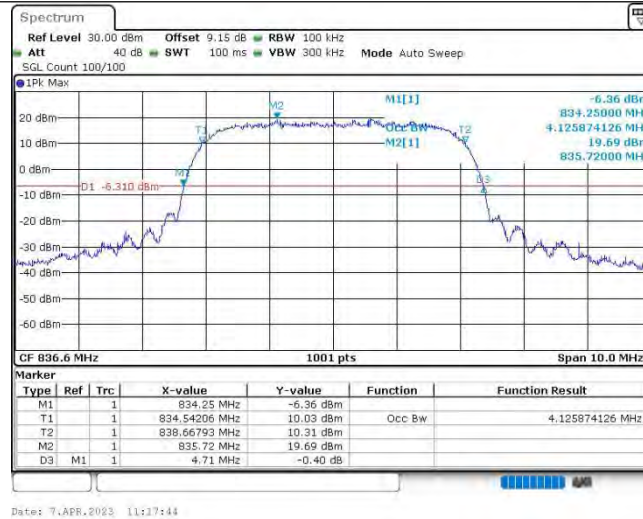
Band4-1413



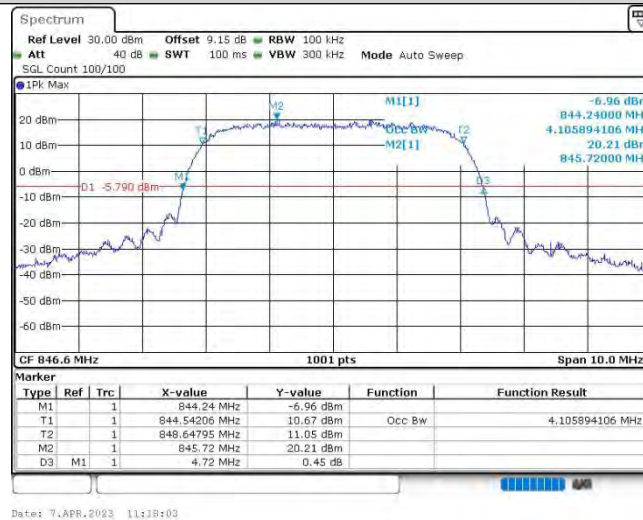
Band4-1513



Band5-4132



Band5-4183



Band5-4233

LTE Cat 1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.093	1.32	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.098	1.31	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.098	1.32	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.098	1.32	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.098	1.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.098	1.32	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.705	2.98	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.696	3.01	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.696	2.95	PASS

Band2	3MHz	16QAM	18615	15RB#0	2.705	3	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.696	3	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.696	3	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.525	5.02	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.496	5.04	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.505	5.02	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.505	5.02	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.525	5.07	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.525	5.06	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.985	10.03	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.985	9.93	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.985	10.1	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.428	14.8	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.478	14.8	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.478	14.9	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.903	19.53	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.97	19.87	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.97	19.73	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.093	1.32	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.093	1.29	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.098	1.29	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.103	1.32	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.103	1.32	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.093	1.31	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.696	2.98	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.696	2.97	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.696	2.99	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.705	3	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.696	3.01	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.696	3	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.515	5.03	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.525	5.05	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.515	5.03	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	5.01	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.505	5.02	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.505	5.01	PASS

Band4	10MHz	QPSK	20000	50RB#0	8.985	9.97	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.985	10	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.952	9.97	PASS
Band4	10MHz	16QAM	20000	1RB#49	0.732	1.03	PASS
Band4	10MHz	16QAM	20175	1RB#49	0.765	1.1	PASS
Band4	10MHz	16QAM	20350	1RB#49	0.732	1.03	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.478	14.95	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.428	14.75	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.428	14.85	PASS
Band4	15MHz	16QAM	20025	1RB#74	1.148	1.6	PASS
Band4	15MHz	16QAM	20175	1RB#74	1.148	1.65	PASS
Band4	15MHz	16QAM	20325	1RB#74	1.148	1.7	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.97	19.73	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.97	19.67	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.903	19.93	PASS
Band4	20MHz	16QAM	20050	1RB#99	1.664	2.4	PASS
Band4	20MHz	16QAM	20175	1RB#99	1.664	2.33	PASS
Band4	20MHz	16QAM	20300	1RB#99	1.73	2.47	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.098	1.29	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.098	1.3	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.098	1.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.098	1.29	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.103	1.32	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.098	1.3	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.696	2.99	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.705	2.98	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.696	2.99	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.696	3	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.705	2.97	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.686	2.96	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.515	5.05	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.515	5.04	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.505	5.05	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.505	5	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.496	5.01	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.515	5.04	PASS

Band5	10MHz	QPSK	20450	50RB#0	8.985	9.93	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.985	9.9	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.918	9.97	PASS
Band5	10MHz	16QAM	20450	1RB#49	0.765	1.07	PASS
Band5	10MHz	16QAM	20525	1RB#49	0.732	1.03	PASS
Band5	10MHz	16QAM	20600	1RB#49	0.765	1.03	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1.098	1.32	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.28	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.103	1.28	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.103	1.32	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.098	1.31	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.098	1.29	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.705	2.99	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.696	2.99	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.705	3	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.696	3.01	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.696	2.99	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.705	2.99	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.515	5.06	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.496	5	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.505	5.07	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.505	5.01	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.515	5.07	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.525	5.03	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.985	9.87	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.952	9.97	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.985	10.03	PASS
Band12	10MHz	16QAM	23060	1RB#49	0.765	1.07	PASS
Band12	10MHz	16QAM	23095	1RB#49	0.732	1.07	PASS
Band12	10MHz	16QAM	23130	1RB#49	0.765	1.03	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.515	5.04	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.496	5.02	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.505	5.06	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.486	5.01	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.525	5.06	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.515	5.06	PASS

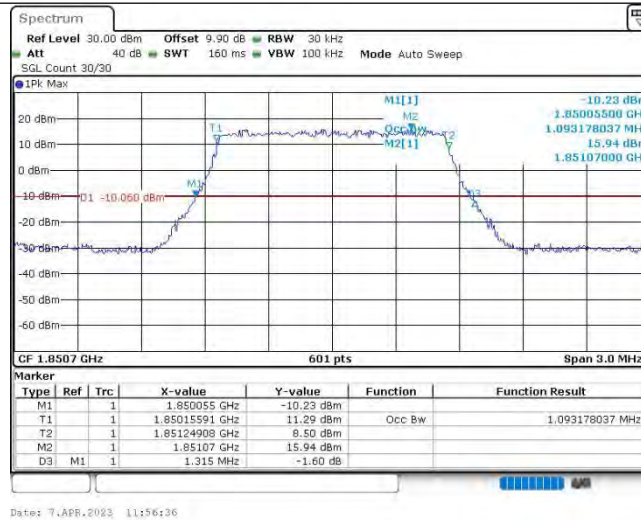
Band13	10MHz	QPSK	23230	50RB#0	8.985	10.03	PASS
Band13	10MHz	16QAM	23230	1RB#49	0.732	1.1	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	1.098	1.31	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.098	1.29	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.093	1.29	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.098	1.32	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.098	1.3	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.088	1.33	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.705	2.97	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.696	2.99	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.705	2.98	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.705	2.99	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.696	3	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.696	2.99	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.515	5.04	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.505	5.01	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.515	5.03	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.505	5.02	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.515	5.07	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.496	5.02	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.952	10	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.985	9.9	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.952	10	PASS
Band25	10MHz	16QAM	26090	1RB#49	0.765	1.1	PASS
Band25	10MHz	16QAM	26365	1RB#49	0.732	1.03	PASS
Band25	10MHz	16QAM	26640	1RB#49	0.765	1.13	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.428	14.9	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.378	14.85	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.428	14.8	PASS
Band25	15MHz	16QAM	26115	1RB#74	1.148	1.65	PASS
Band25	15MHz	16QAM	26365	1RB#74	1.098	1.65	PASS
Band25	15MHz	16QAM	26615	1RB#74	1.148	1.7	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.903	19.67	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.97	19.87	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.903	19.73	PASS
Band25	20MHz	16QAM	26140	1RB#99	1.664	2.33	PASS

Band25	20MHz	16QAM	26365	1RB#99	1.73	2.33	PASS
Band25	20MHz	16QAM	26590	1RB#99	1.597	2.33	PASS
Band26@22	1.4MHz	QPSK	26797	6RB#0	1.093	1.29	PASS
Band26@22	1.4MHz	QPSK	26915	6RB#0	1.098	1.28	PASS
Band26@22	1.4MHz	QPSK	27033	6RB#0	1.098	1.31	PASS
Band26@22	1.4MHz	16QAM	26797	6RB#0	1.093	1.29	PASS
Band26@22	1.4MHz	16QAM	26915	6RB#0	1.093	1.3	PASS
Band26@22	1.4MHz	16QAM	27033	6RB#0	1.088	1.28	PASS
Band26@22	3MHz	QPSK	26805	15RB#0	2.696	2.99	PASS
Band26@22	3MHz	QPSK	26915	15RB#0	2.696	2.99	PASS
Band26@22	3MHz	QPSK	27025	15RB#0	2.696	2.99	PASS
Band26@22	3MHz	16QAM	26805	15RB#0	2.705	2.97	PASS
Band26@22	3MHz	16QAM	26915	15RB#0	2.705	2.98	PASS
Band26@22	3MHz	16QAM	27025	15RB#0	2.686	3	PASS
Band26@22	5MHz	QPSK	26815	25RB#0	4.515	5.05	PASS
Band26@22	5MHz	QPSK	26915	25RB#0	4.515	5.03	PASS
Band26@22	5MHz	QPSK	27015	25RB#0	4.496	5.03	PASS
Band26@22	5MHz	16QAM	26815	25RB#0	4.505	5.01	PASS
Band26@22	5MHz	16QAM	26915	25RB#0	4.496	5.01	PASS
Band26@22	5MHz	16QAM	27015	25RB#0	4.486	5.01	PASS
Band26@22	10MHz	QPSK	26840	50RB#0	8.985	10.07	PASS
Band26@22	10MHz	QPSK	26915	50RB#0	8.952	9.9	PASS
Band26@22	10MHz	QPSK	26990	50RB#0	8.952	9.9	PASS
Band26@22	10MHz	16QAM	26840	1RB#49	0.732	1.07	PASS
Band26@22	10MHz	16QAM	26915	1RB#49	0.732	1.03	PASS
Band26@22	10MHz	16QAM	26990	1RB#49	0.765	1.03	PASS

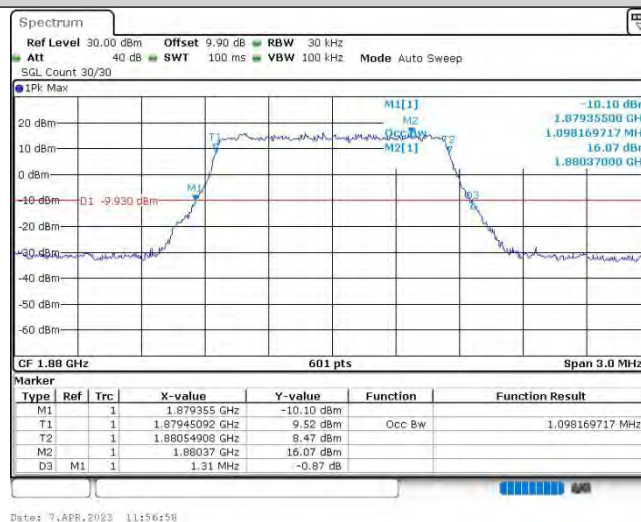
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Band26@22	15MHz	QPSK	26915	75RB#0	13.428	14.8	PASS
Band26@22	15MHz	QPSK	26965	75RB#0	13.428	14.8	PASS
Band26@22	15MHz	16QAM	26865	1RB#74	1.098	1.65	PASS
Band26@22	15MHz	16QAM	26915	1RB#74	1.098	1.65	PASS
Band26@22	15MHz	16QAM	26965	1RB#74	1.098	1.65	PASS
Band26@90	1.4MHz	QPSK	26697	6RB#0	1.098	1.31	PASS
Band26@90	1.4MHz	QPSK	26740	6RB#0	1.098	1.3	PASS
Band26@90	1.4MHz	QPSK	26783	6RB#0	1.098	1.29	PASS
Band26@90	1.4MHz	16QAM	26697	6RB#0	1.098	1.31	PASS
Band26@90	1.4MHz	16QAM	26740	6RB#0	1.098	1.3	PASS
Band26@90	1.4MHz	16QAM	26783	6RB#0	1.098	1.3	PASS
Band26@90	3MHz	QPSK	26705	15RB#0	2.696	3.01	PASS
Band26@90	3MHz	QPSK	26740	15RB#0	2.705	2.98	PASS
Band26@90	3MHz	QPSK	26775	15RB#0	2.705	2.97	PASS
Band26@90	3MHz	16QAM	26705	15RB#0	2.686	2.96	PASS
Band26@90	3MHz	16QAM	26740	15RB#0	2.696	3.01	PASS
Band26@90	3MHz	16QAM	26775	15RB#0	2.696	3	PASS
Band26@90	5MHz	QPSK	26715	25RB#0	4.515	5.04	PASS
Band26@90	5MHz	QPSK	26740	25RB#0	4.496	5.02	PASS
Band26@90	5MHz	QPSK	26765	25RB#0	4.515	5.04	PASS
Band26@90	5MHz	16QAM	26715	25RB#0	4.496	5.01	PASS
Band26@90	5MHz	16QAM	26740	25RB#0	4.515	5.05	PASS
Band26@90	5MHz	16QAM	26765	25RB#0	4.505	5.01	PASS
Band26@90	10MHz	QPSK	26740	50RB#0	8.952	10.03	PASS

Band26@90	10MHz	16QAM	26740	1RB#49	0.765	1.07	PASS
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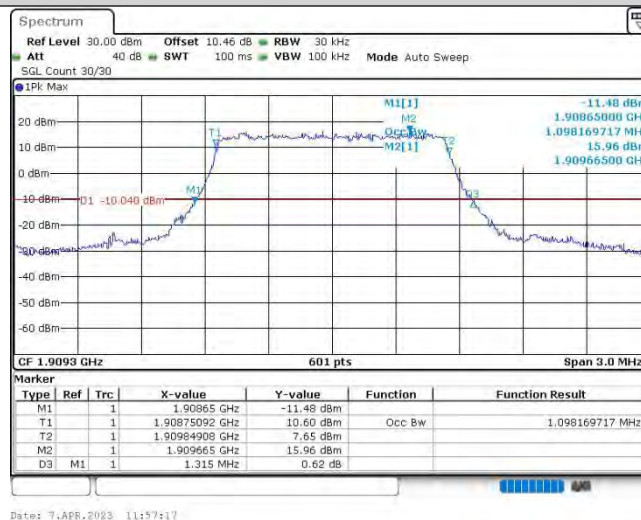
LTE Cat 1 Test Graphs



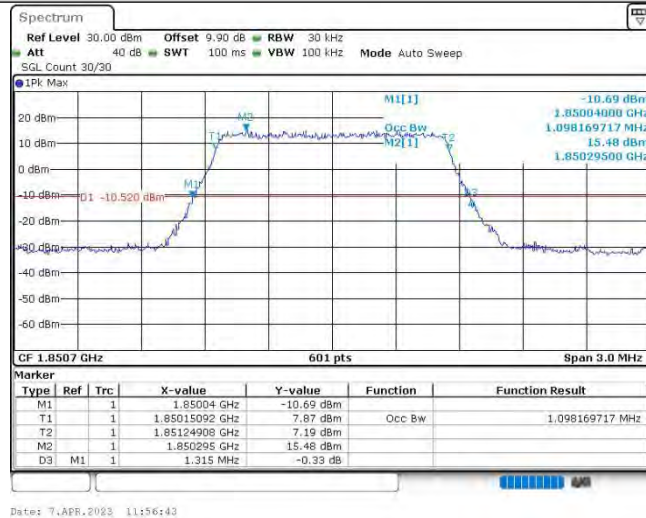
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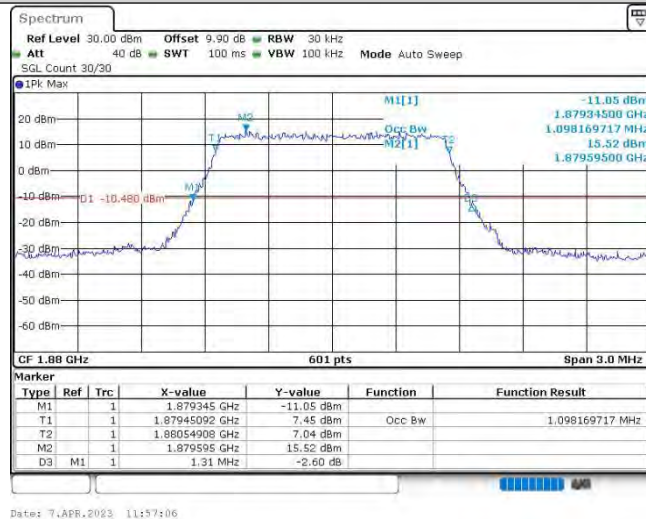
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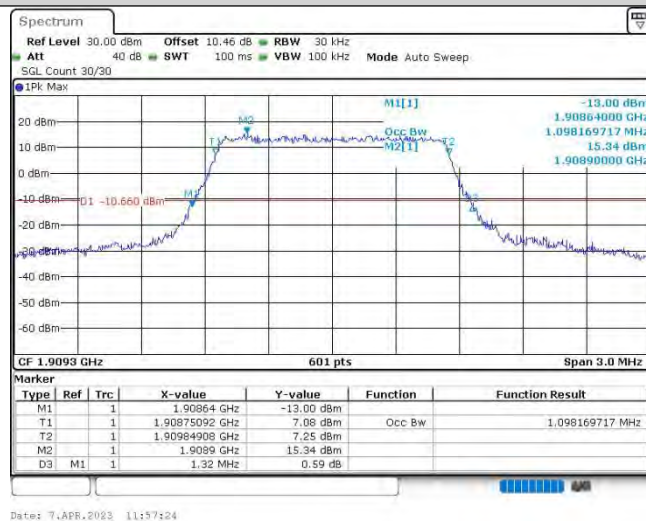
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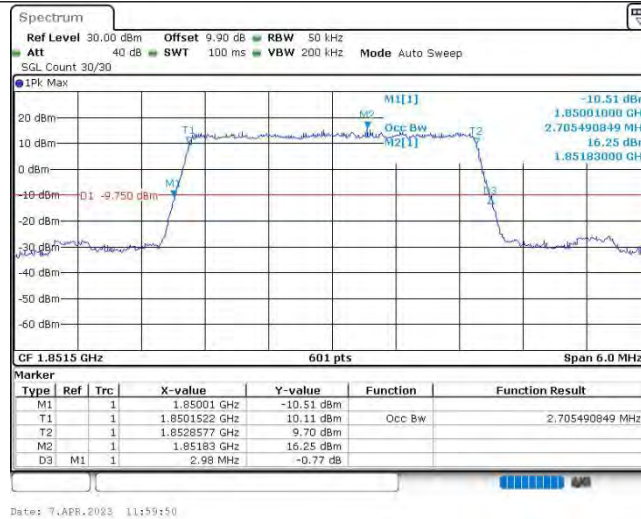
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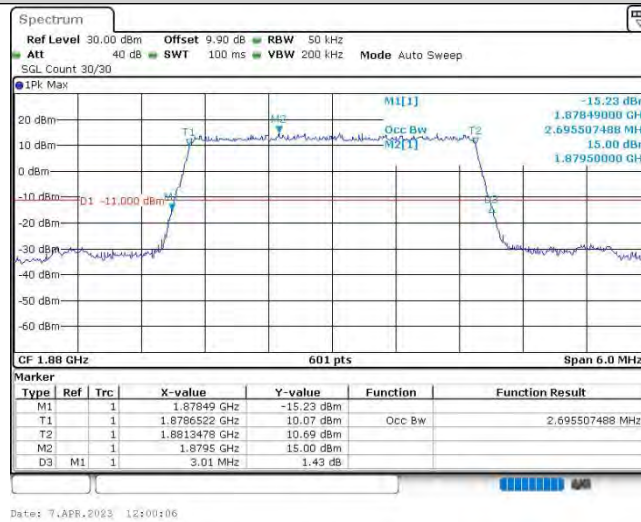
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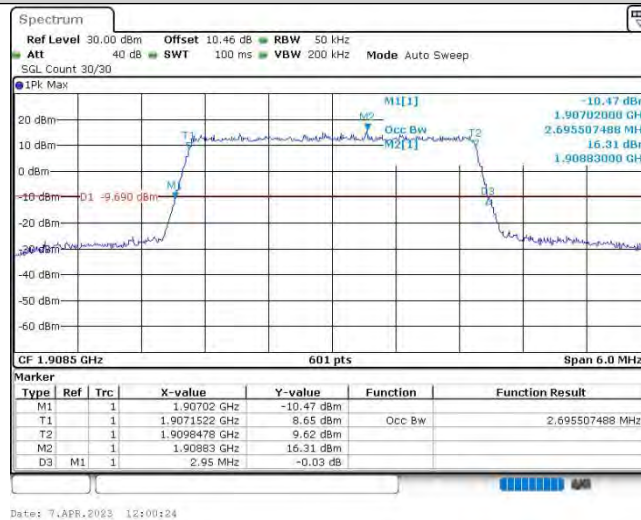
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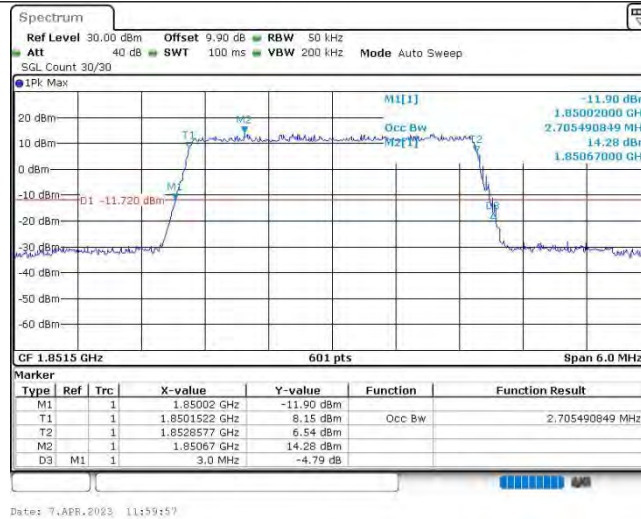
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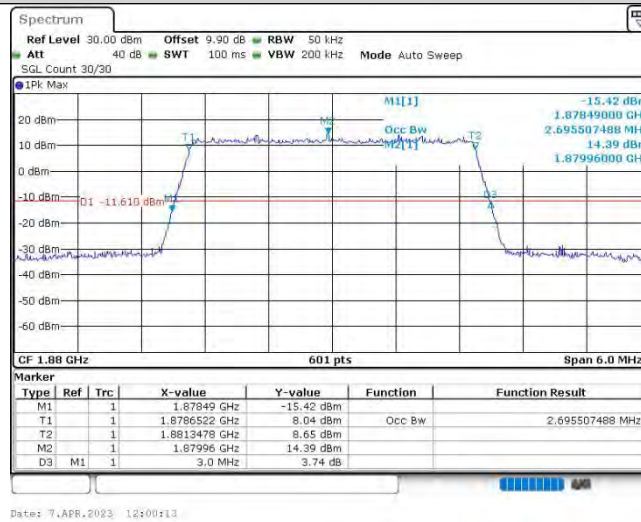
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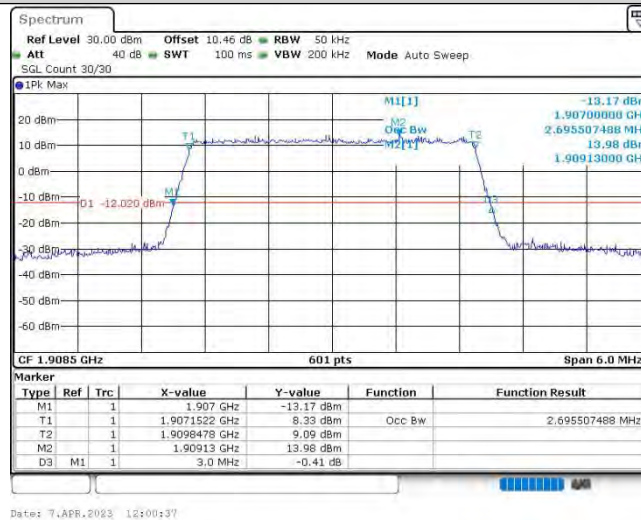
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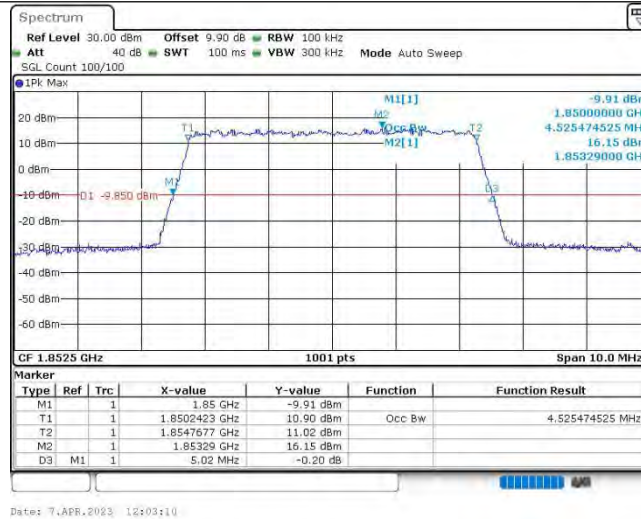
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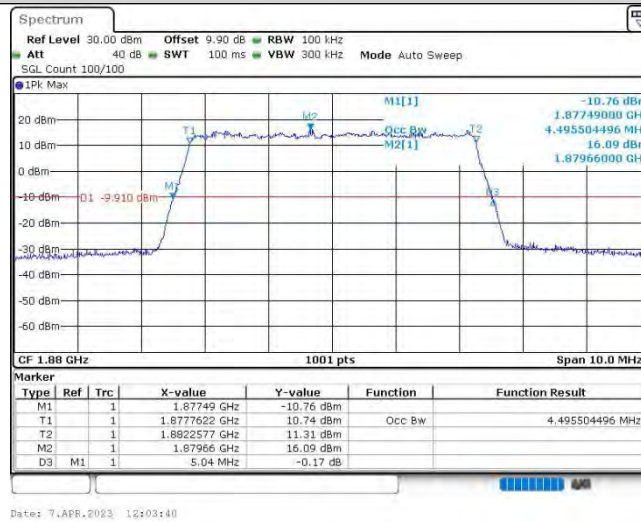
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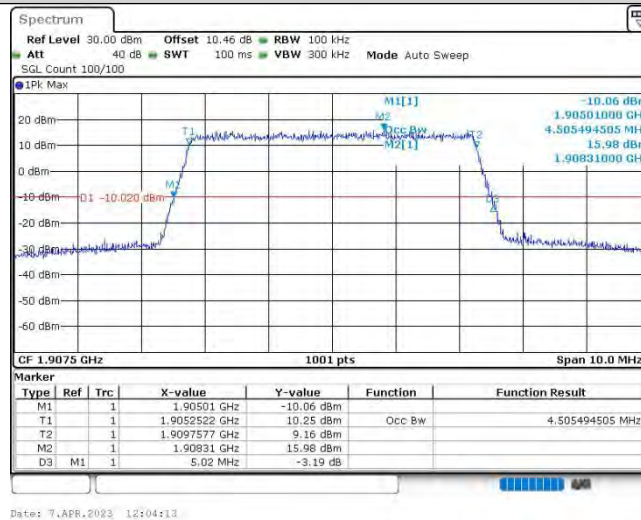
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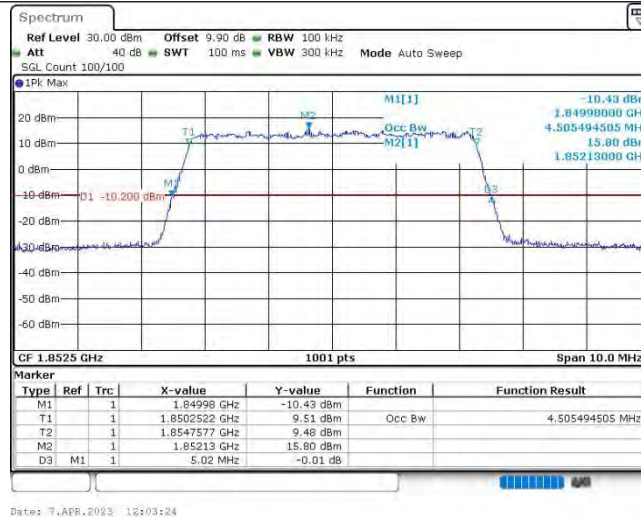
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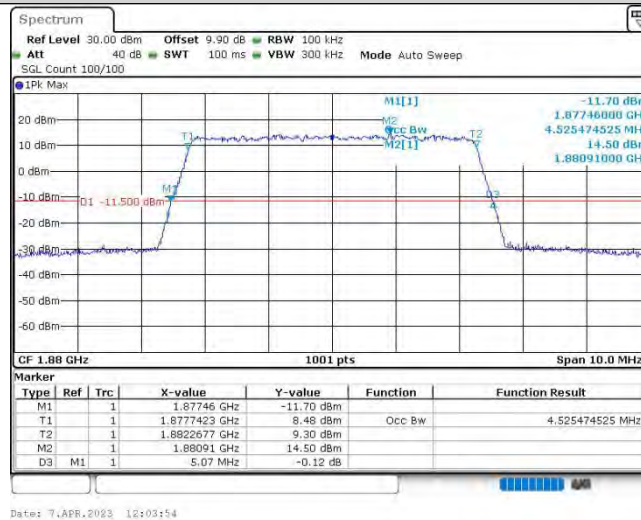
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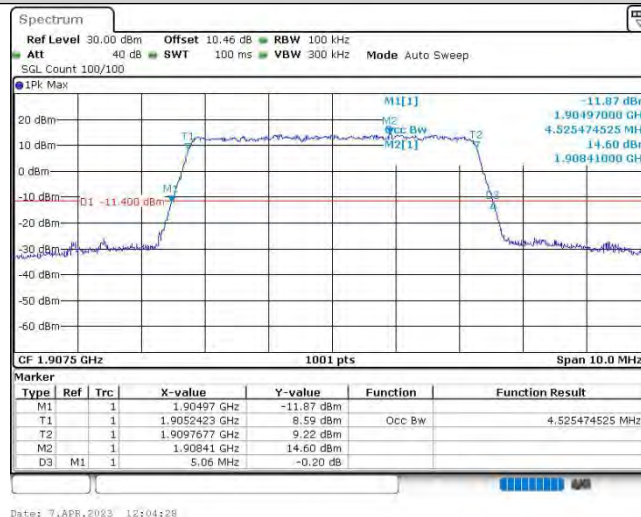
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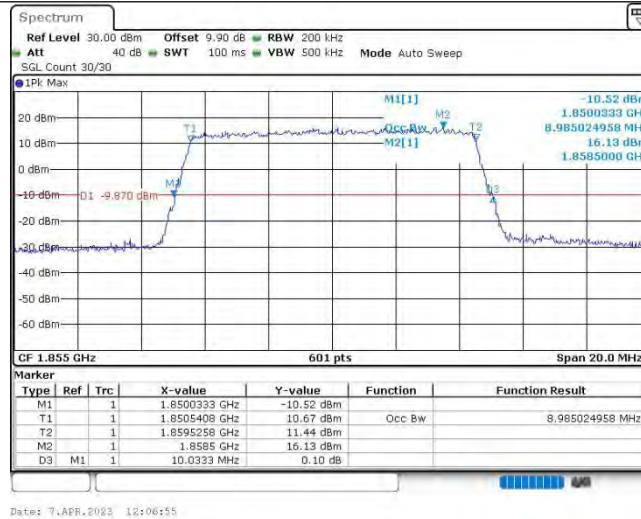
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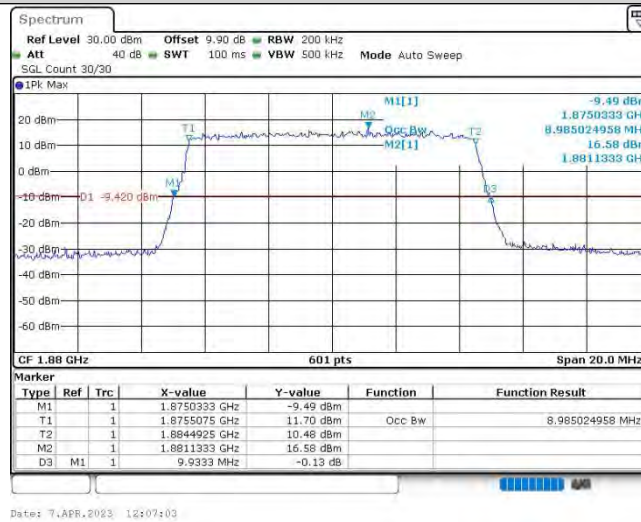
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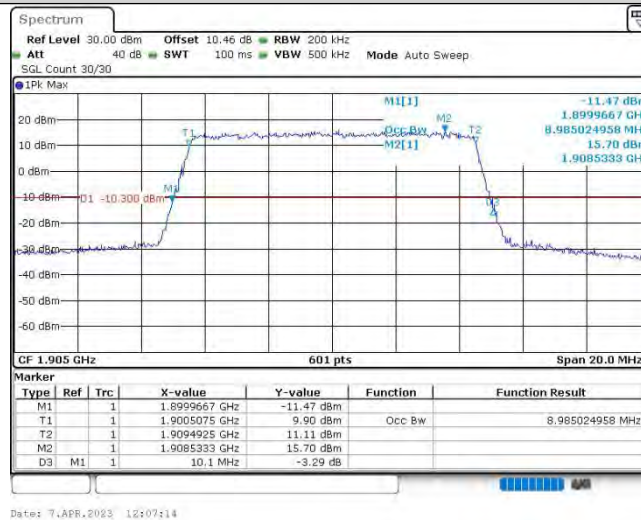
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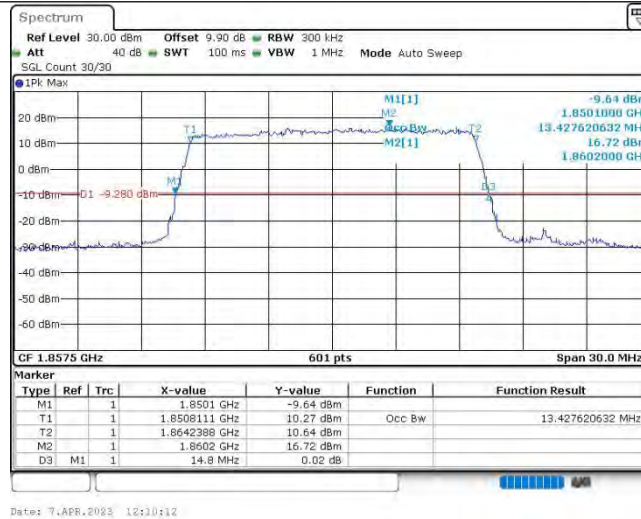
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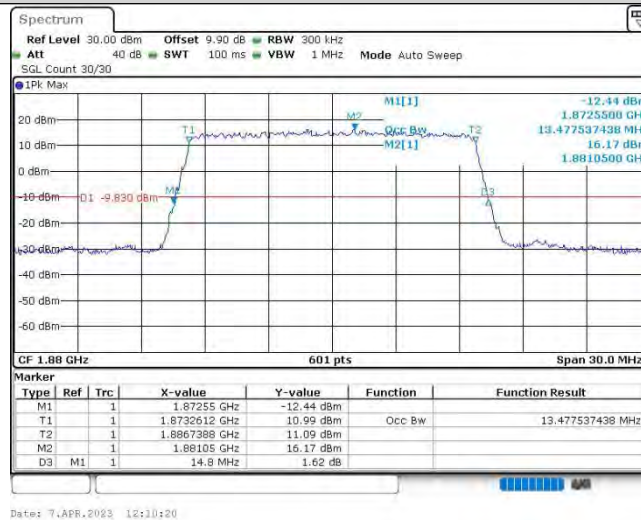
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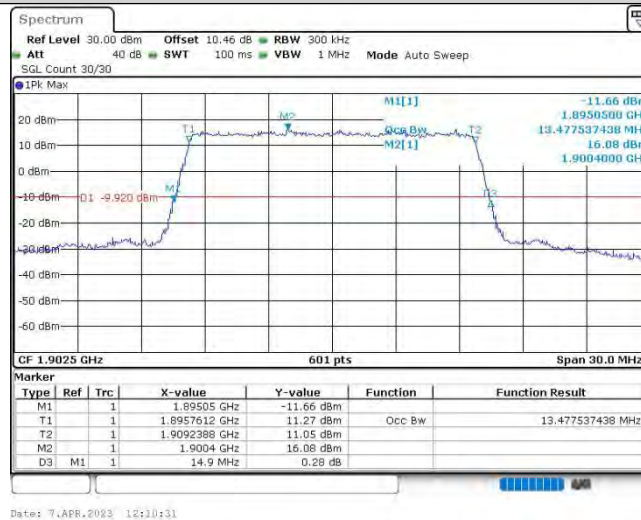
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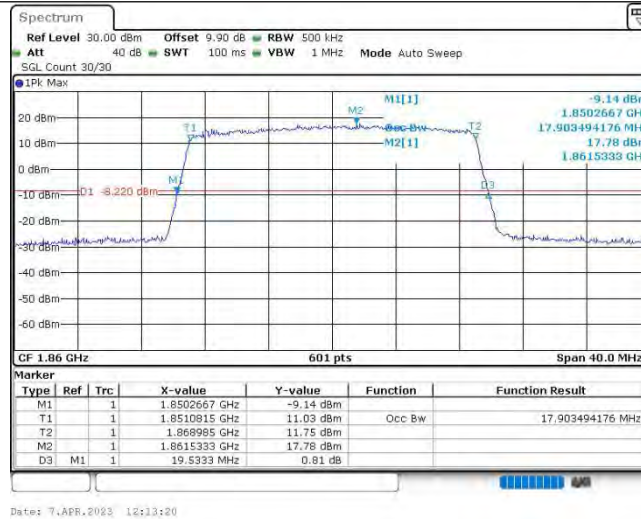
Band2-15MHz-QPSK-18675-75RB#0



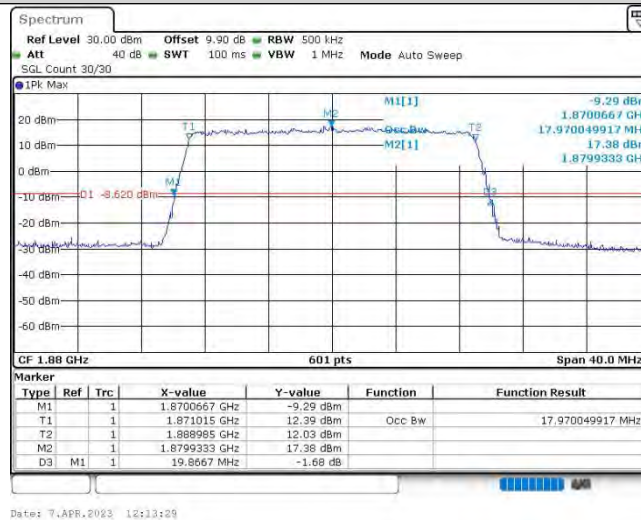
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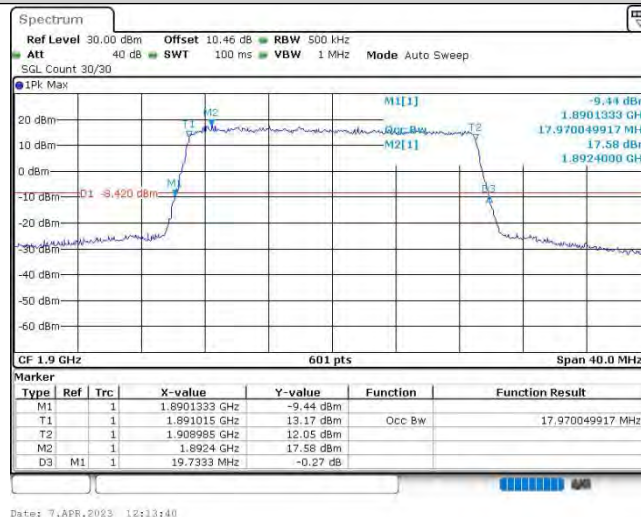
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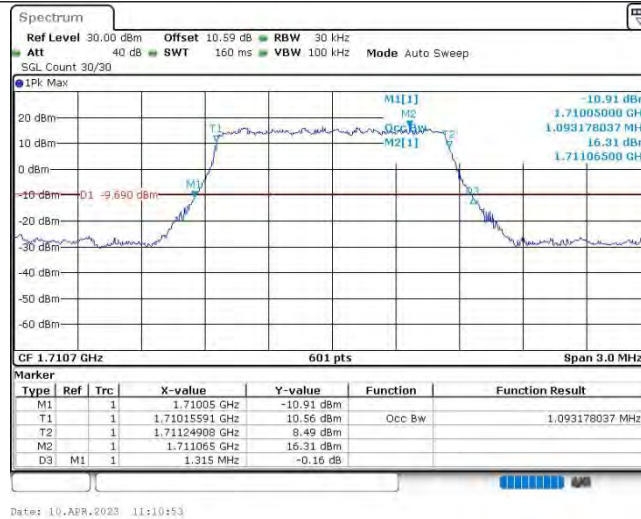
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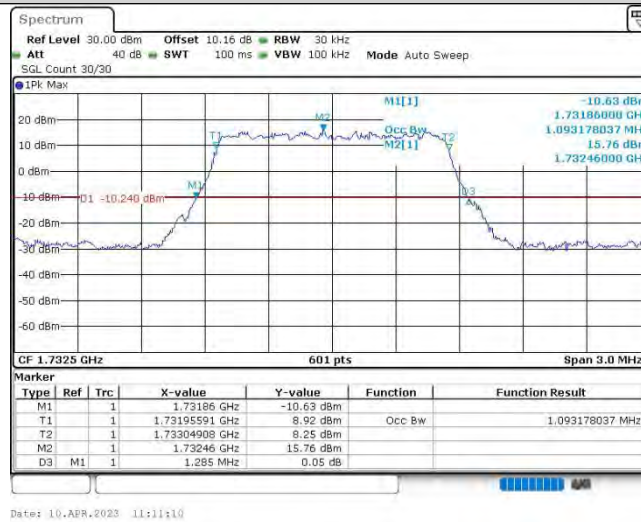
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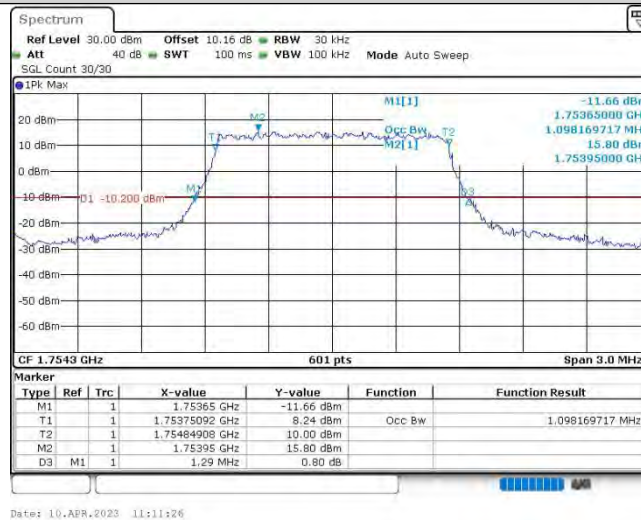
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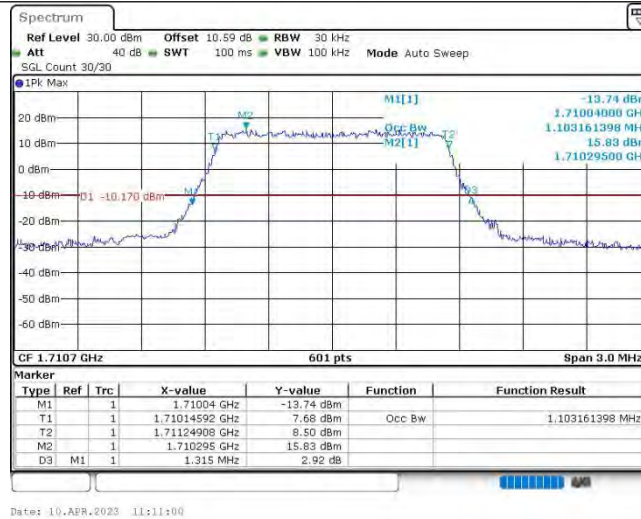
Band4-1.4MHz-QPSK-19957-6RB#0



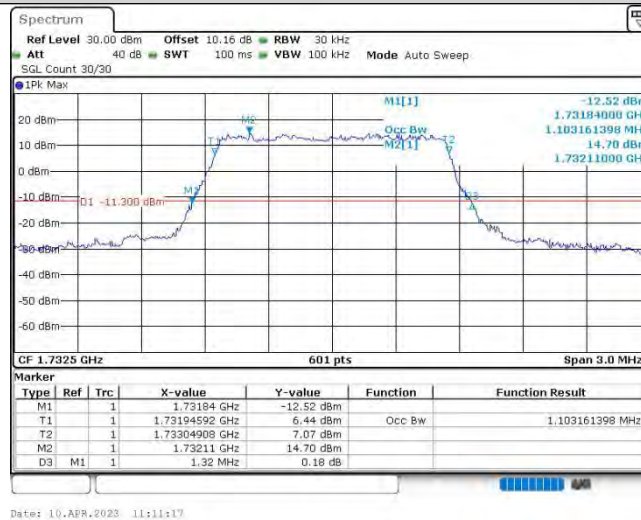
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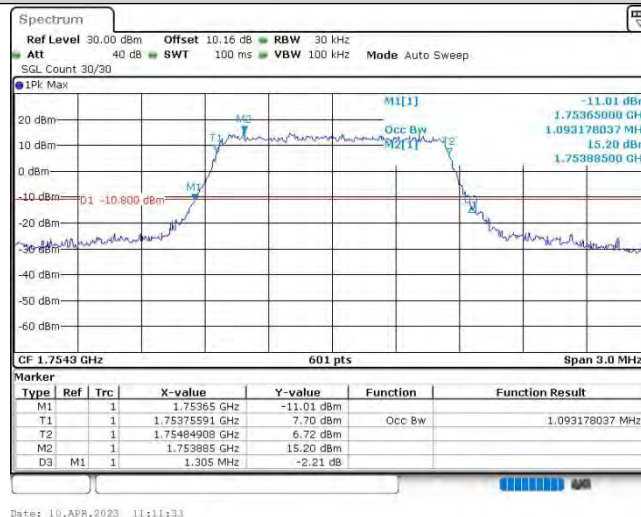
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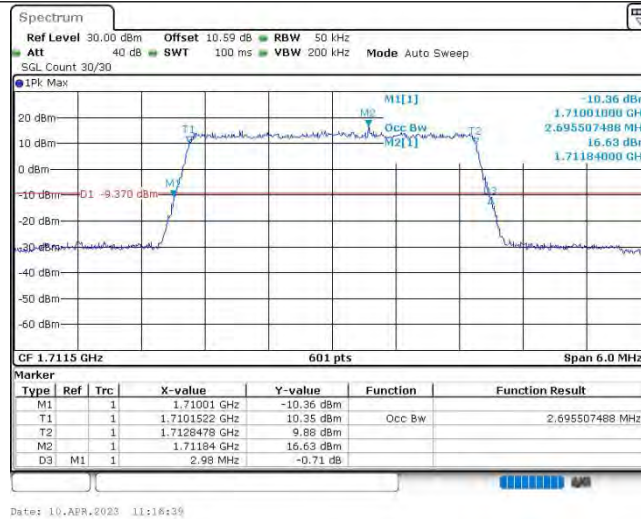
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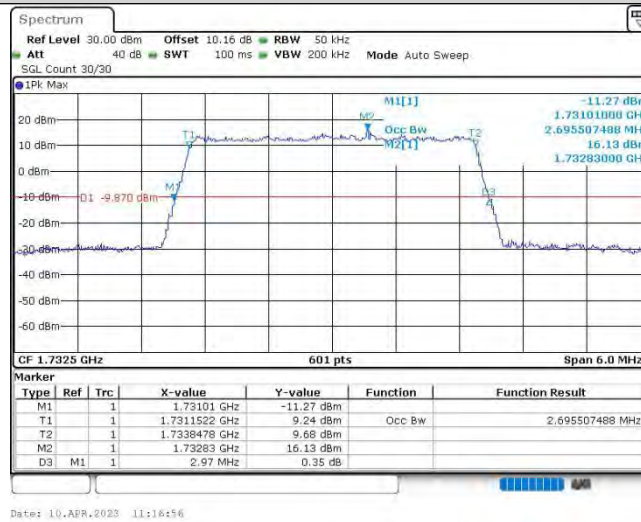
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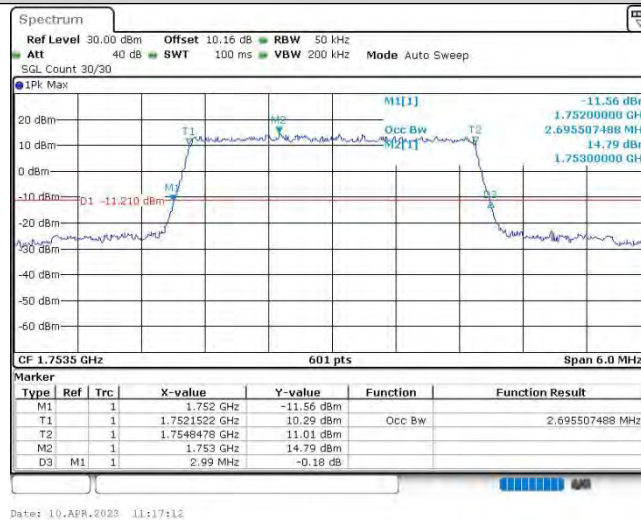
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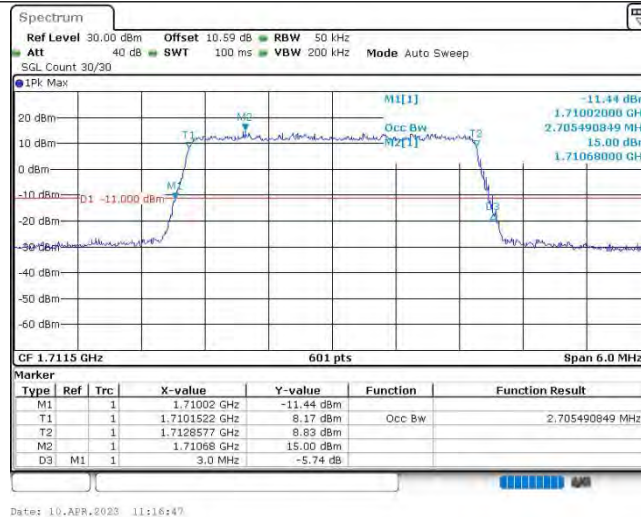
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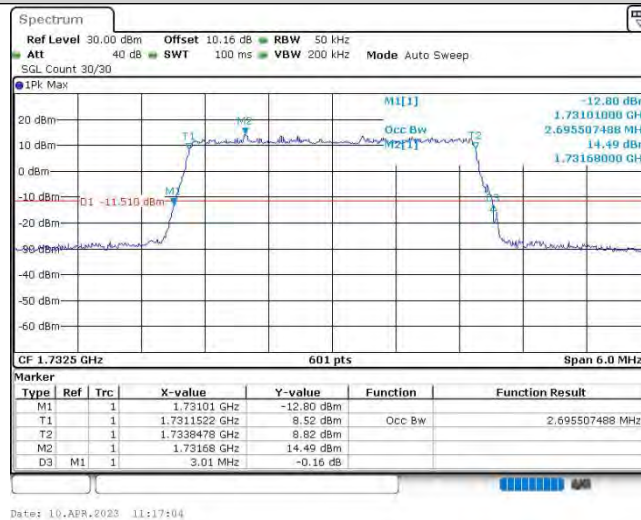
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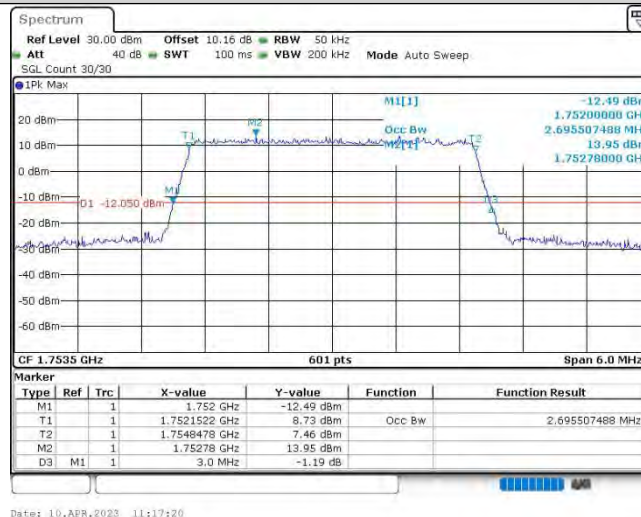
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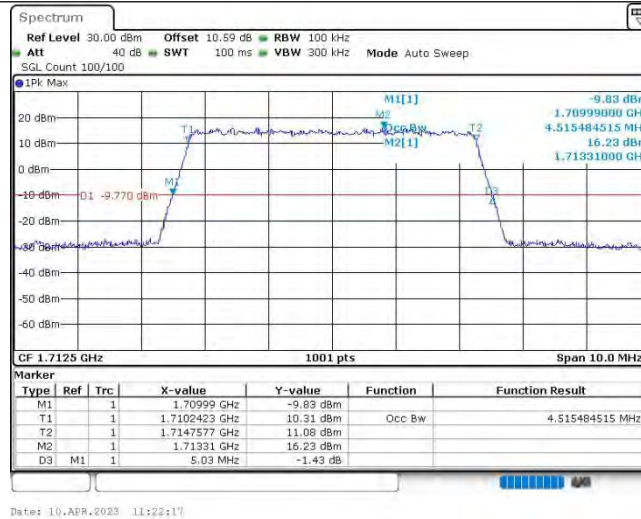
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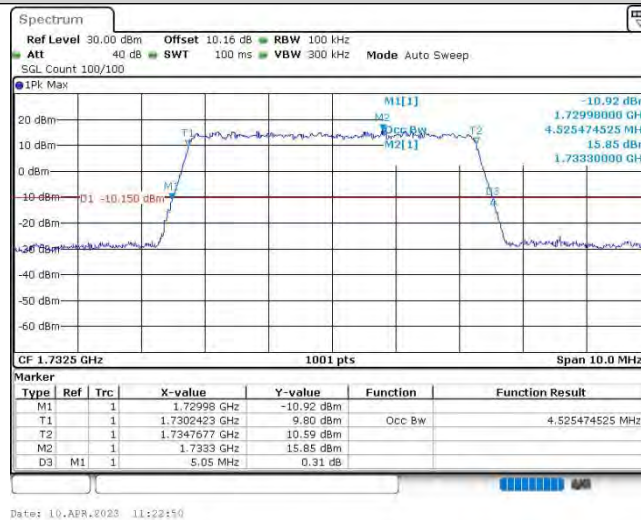
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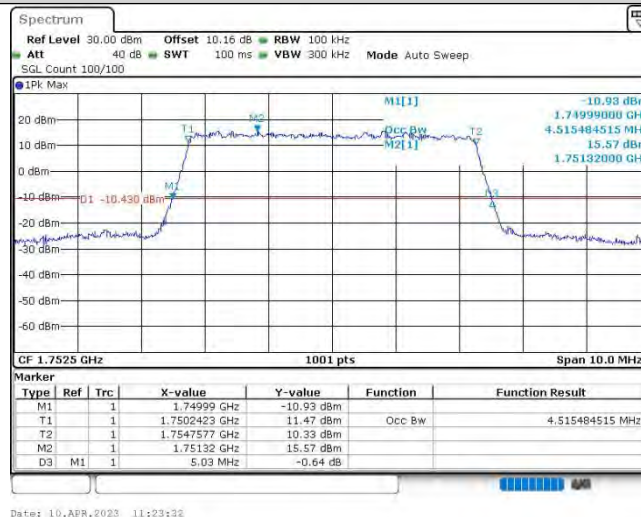
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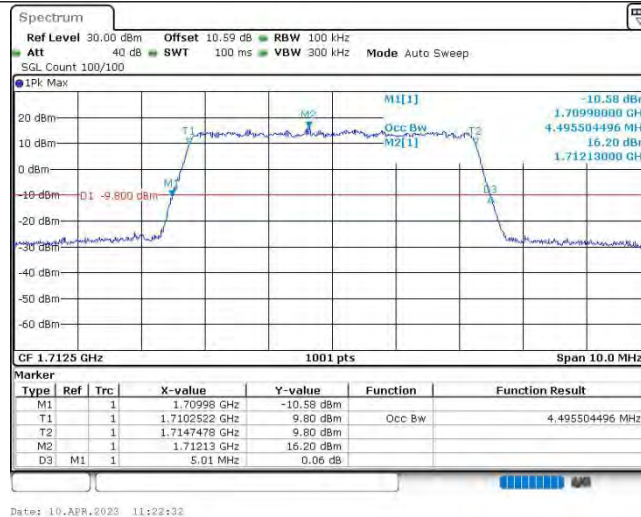
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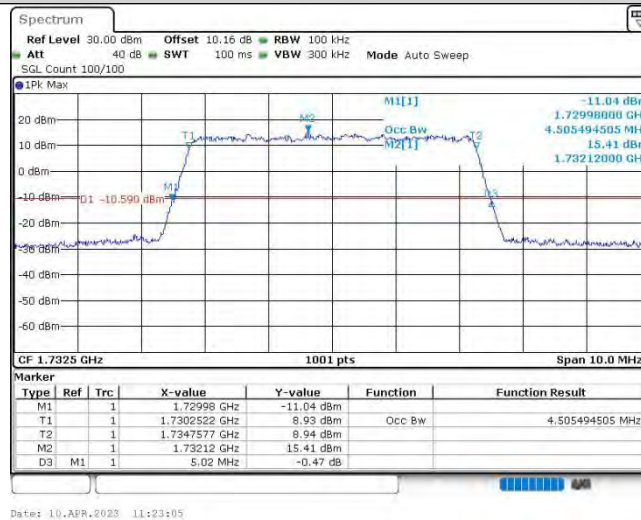
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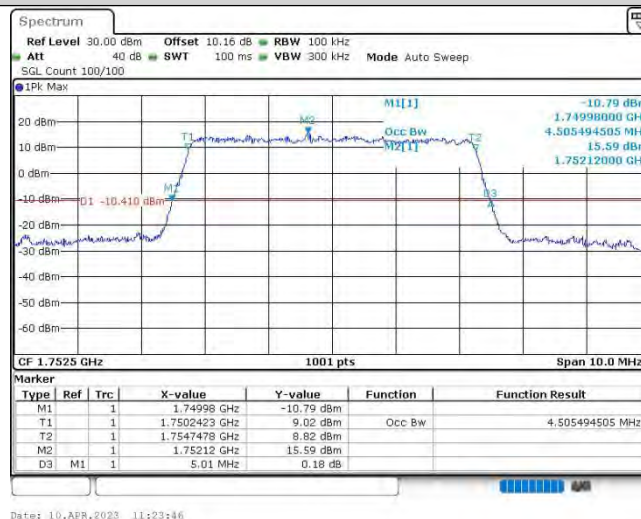
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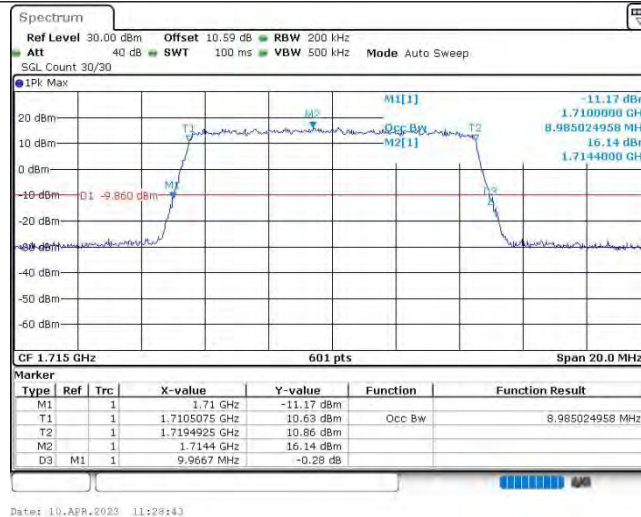
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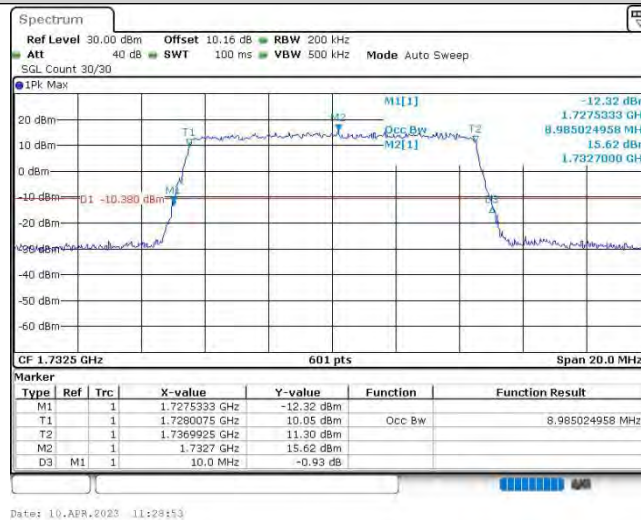
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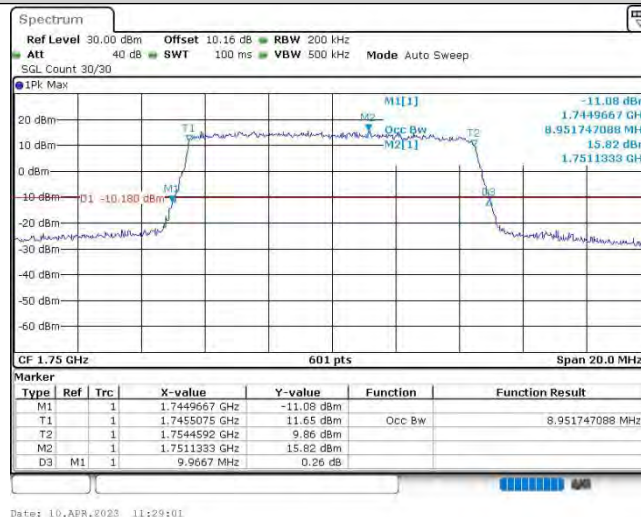
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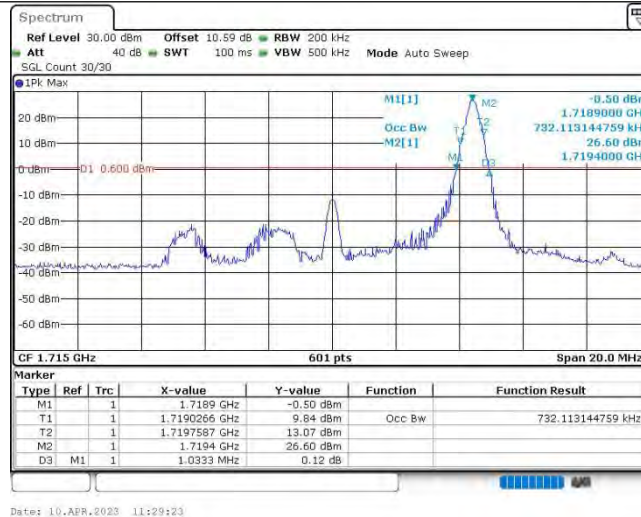
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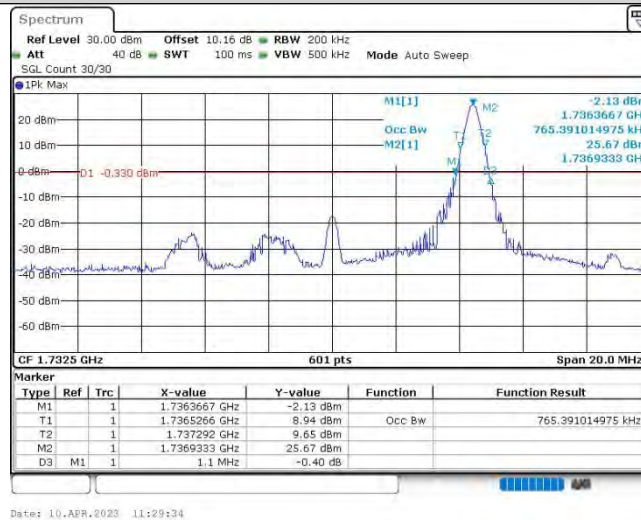
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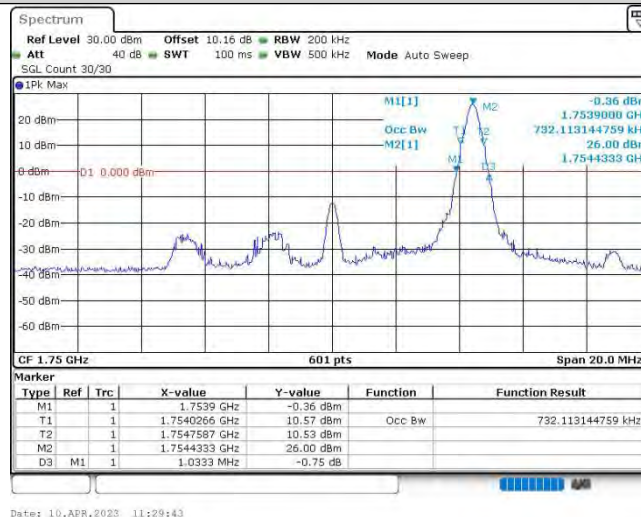
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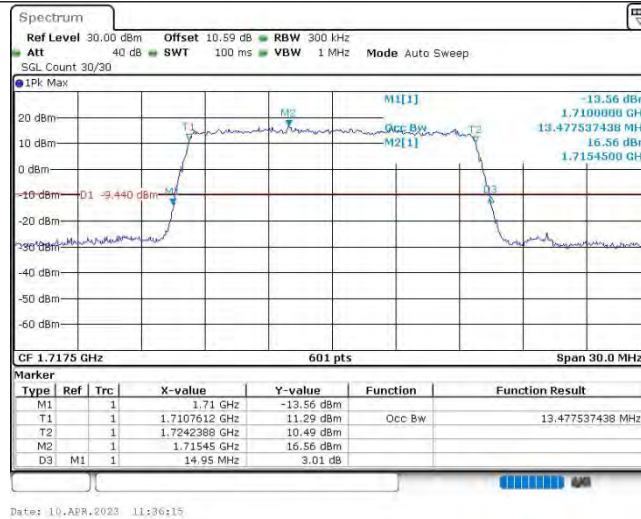
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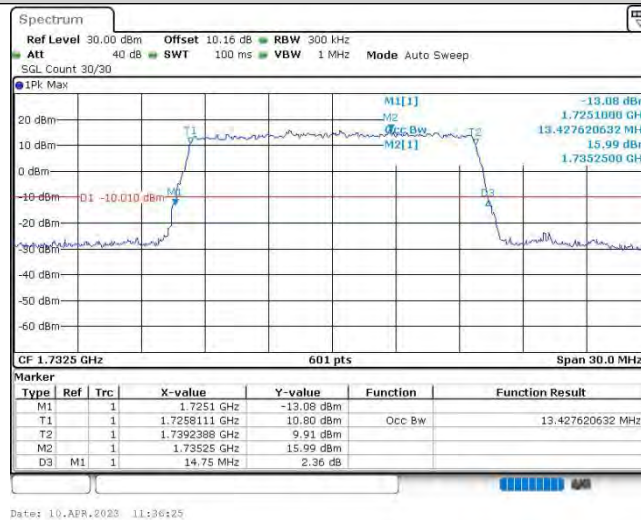
Band4-10MHz-16QAM-20175-1RB#49



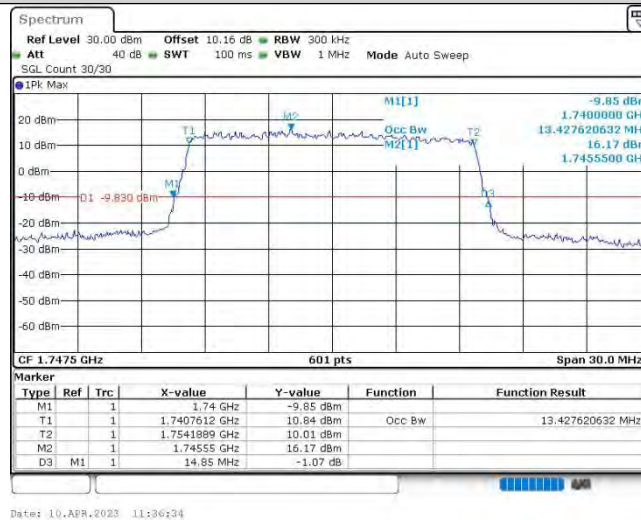
Band4-10MHz-16QAM-20350-1RB#49



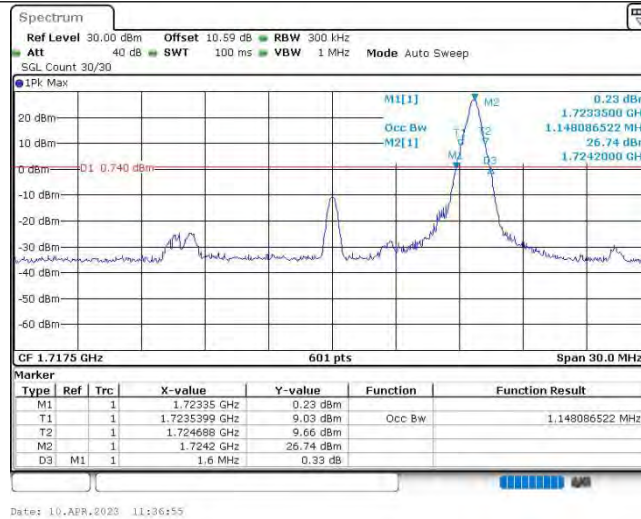
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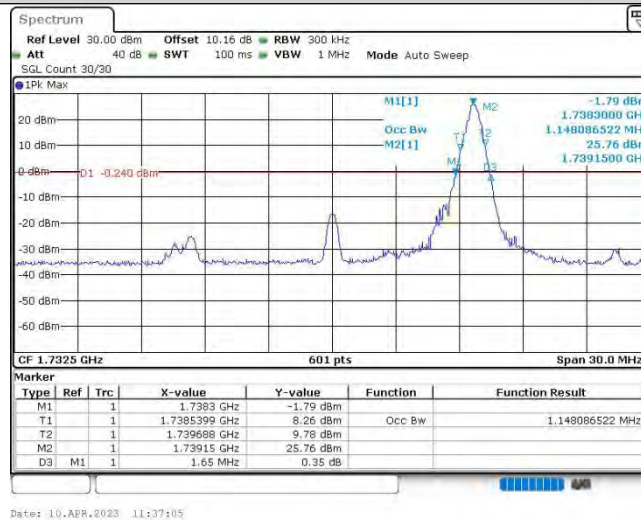
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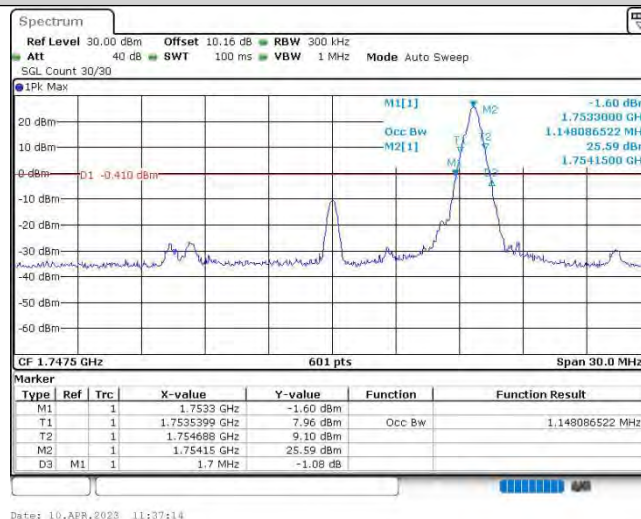
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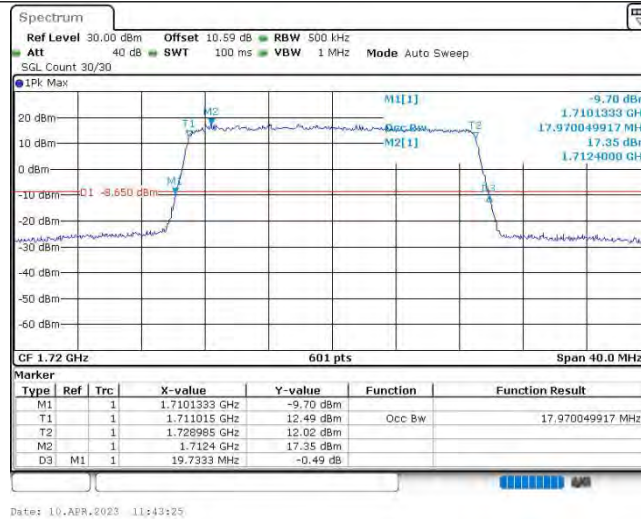
Band4-15MHz-16QAM-20025-1RB#74



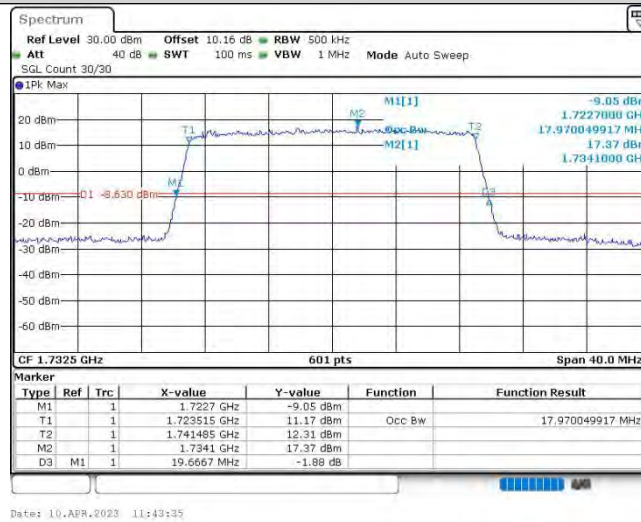
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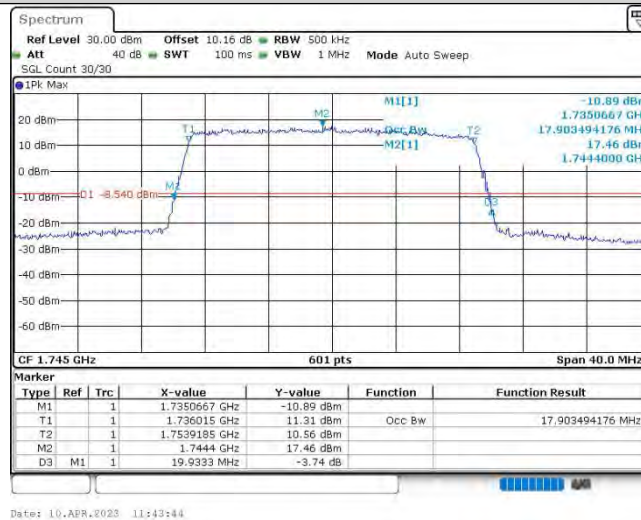
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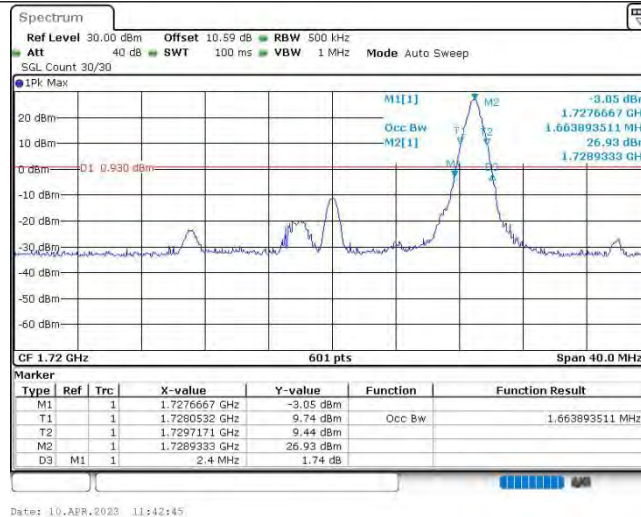
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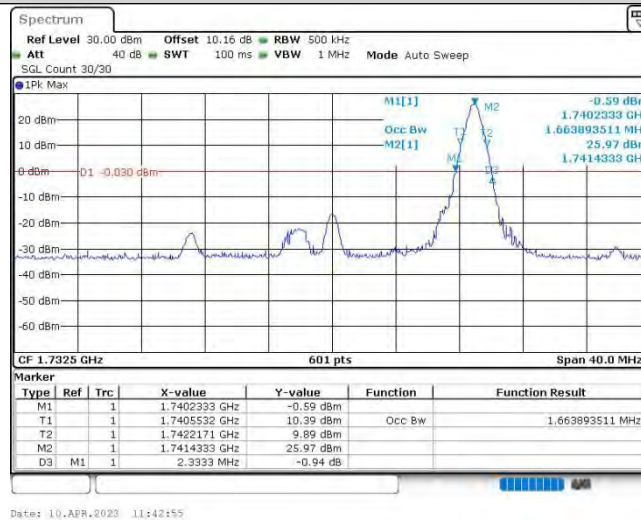
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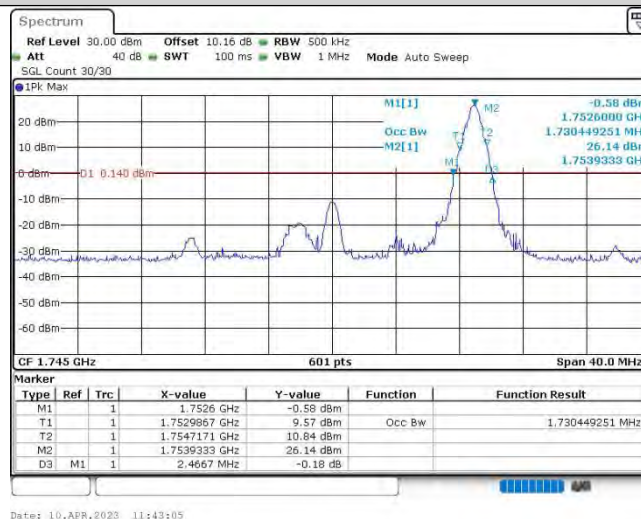
Band4-20MHz-QPSK-20300-100RB#0



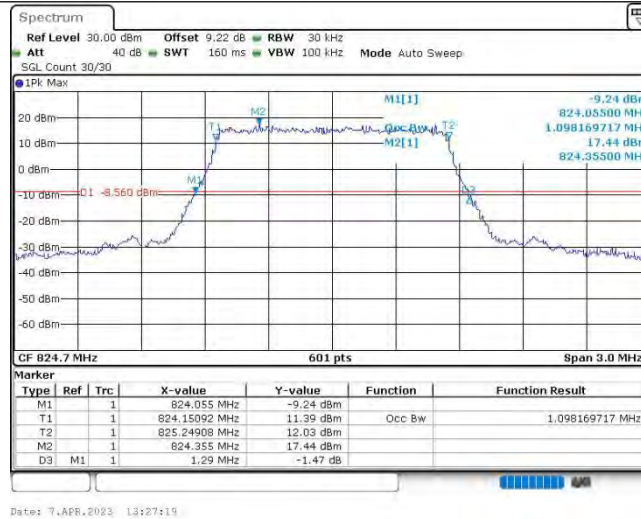
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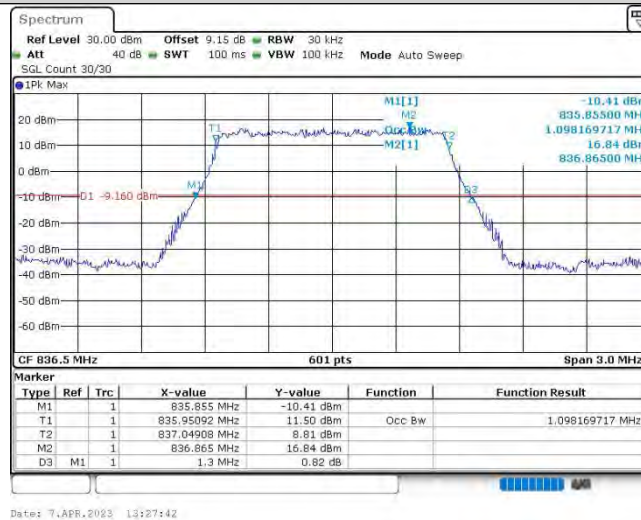
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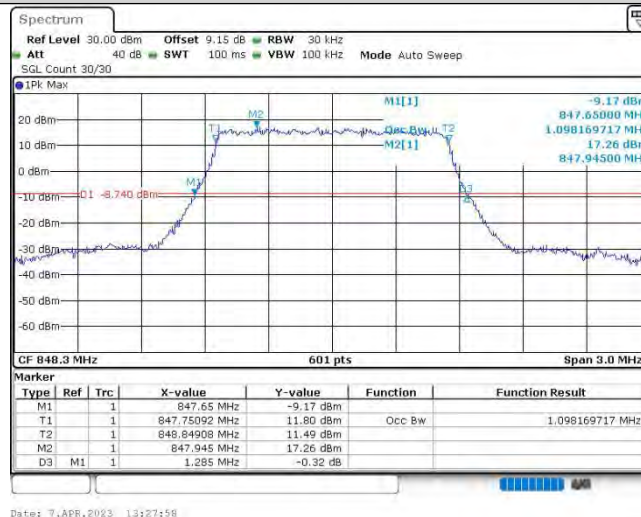
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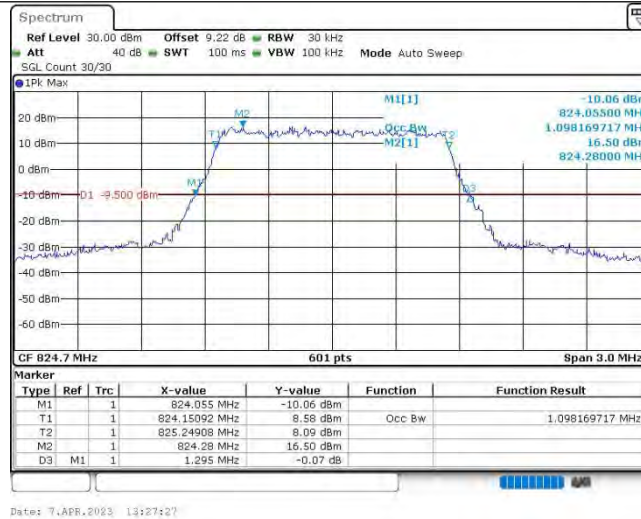
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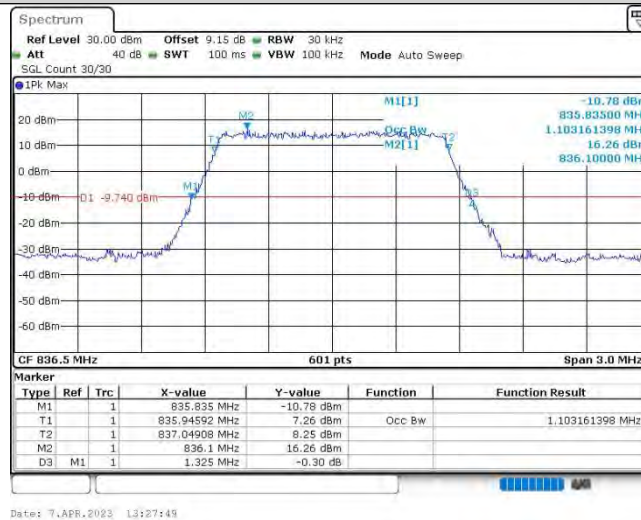
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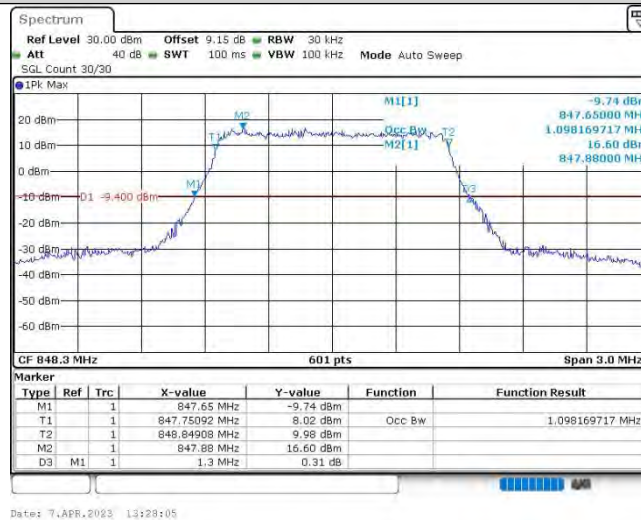
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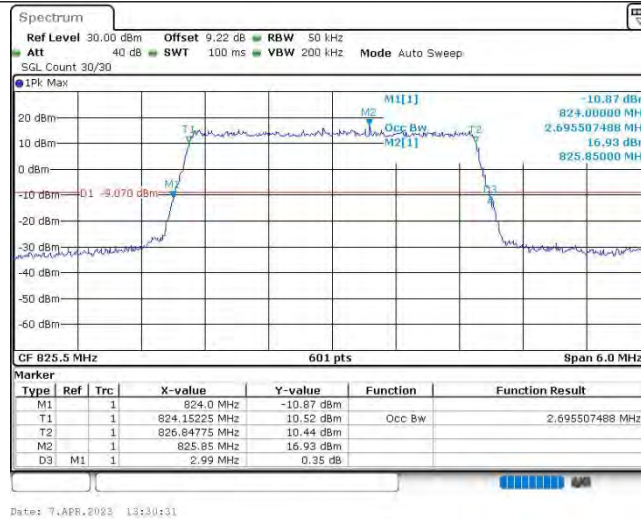
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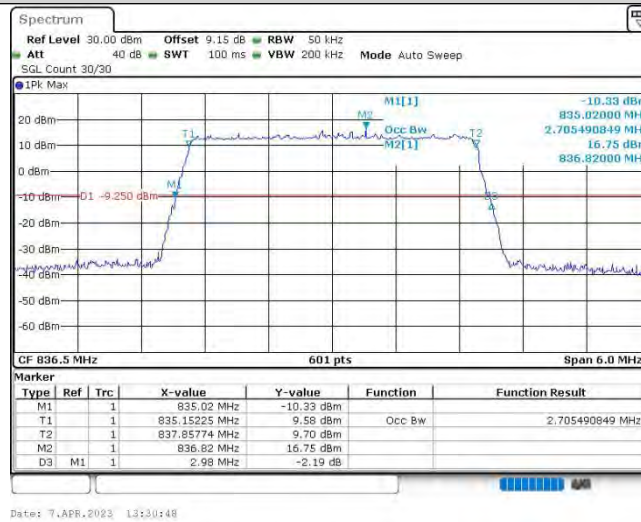
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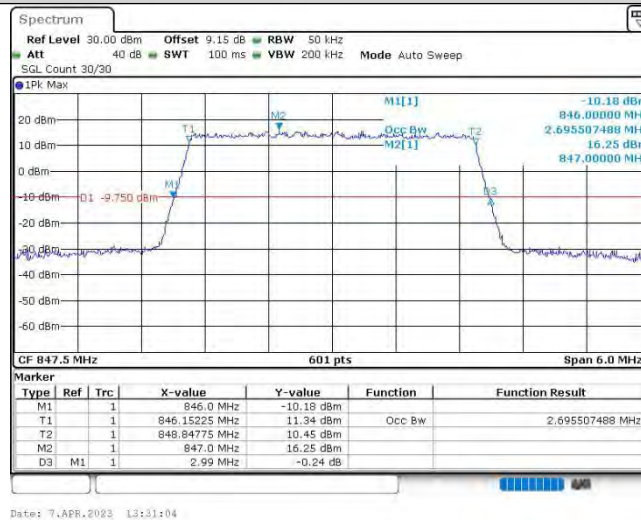
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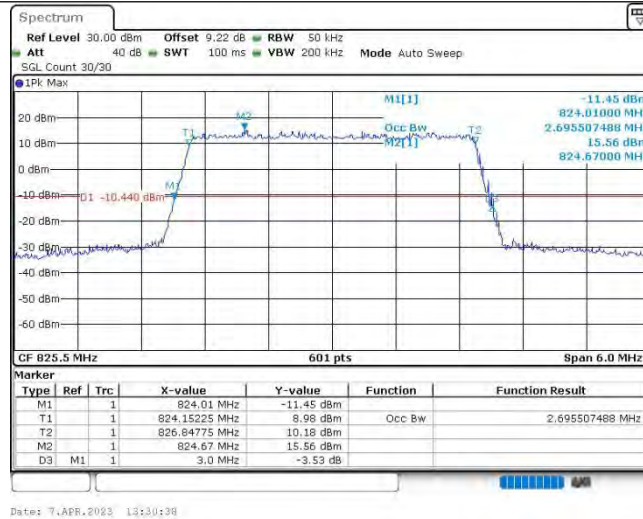
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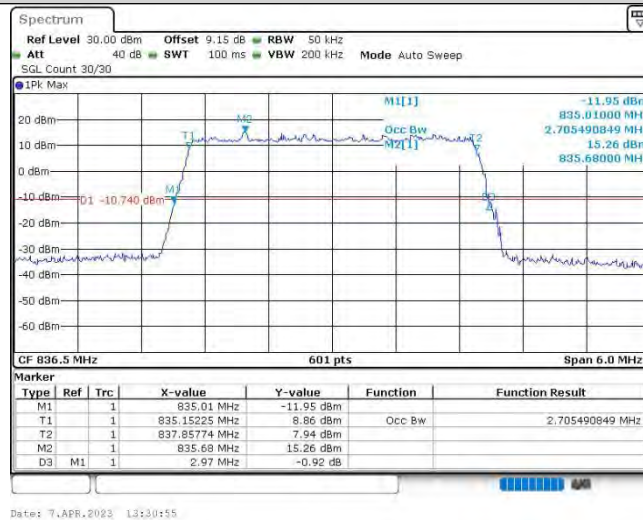
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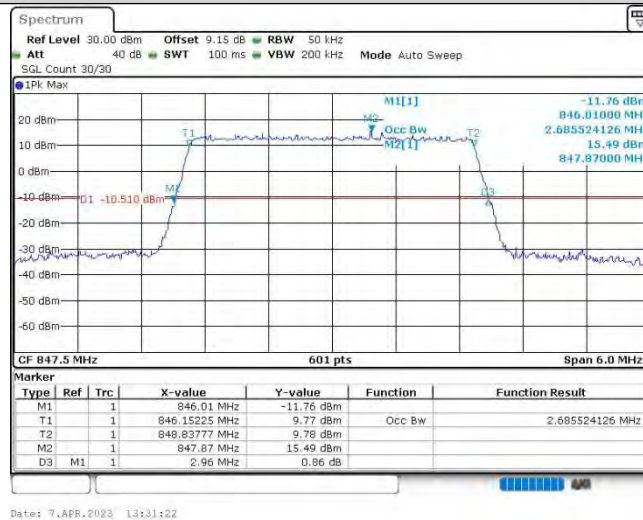
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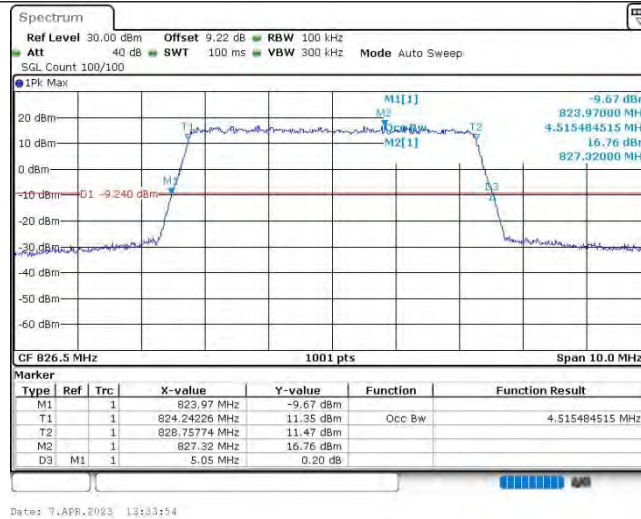
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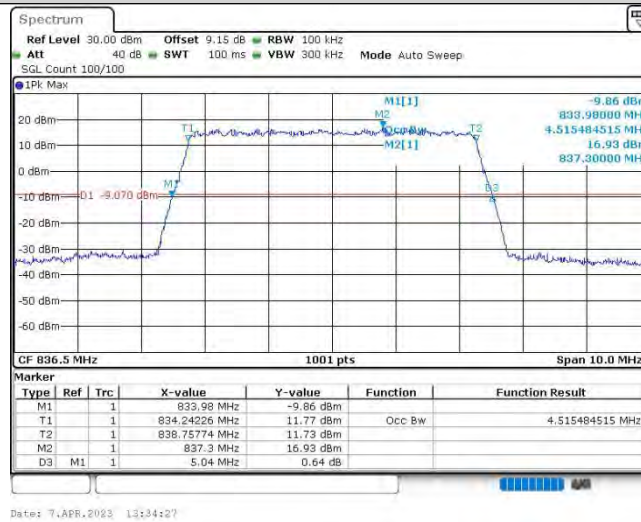
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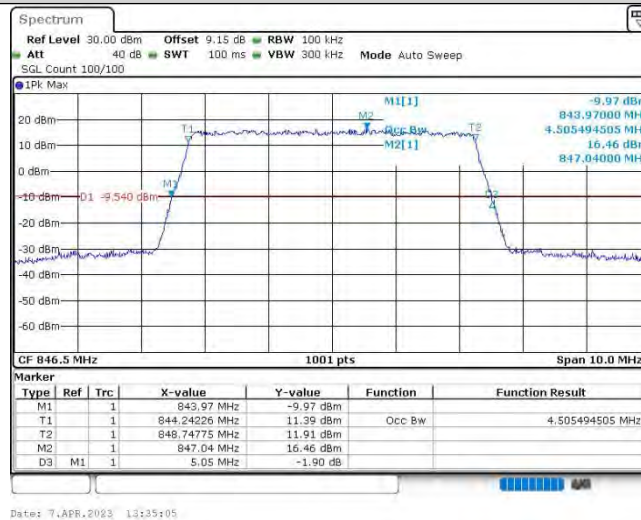
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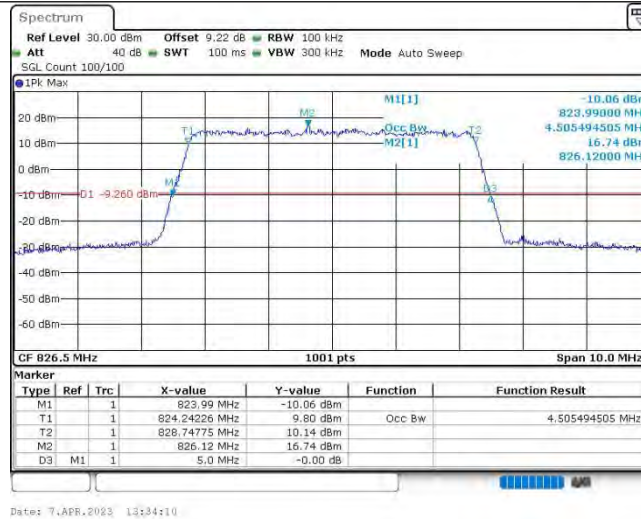
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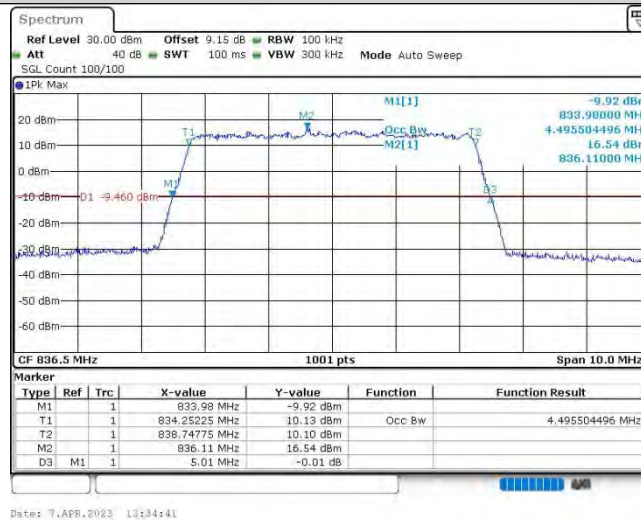
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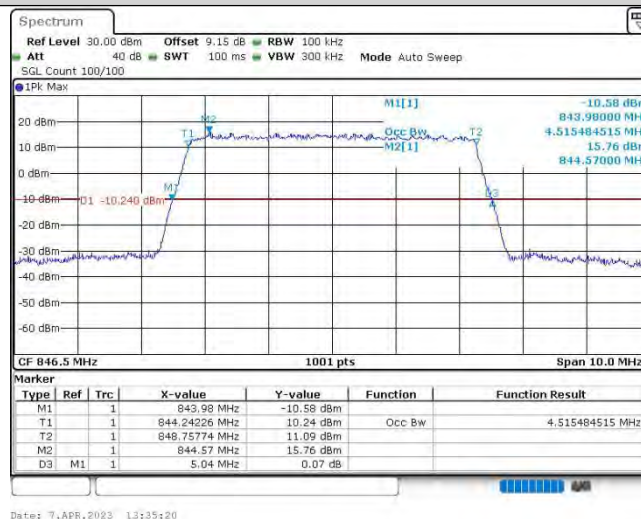
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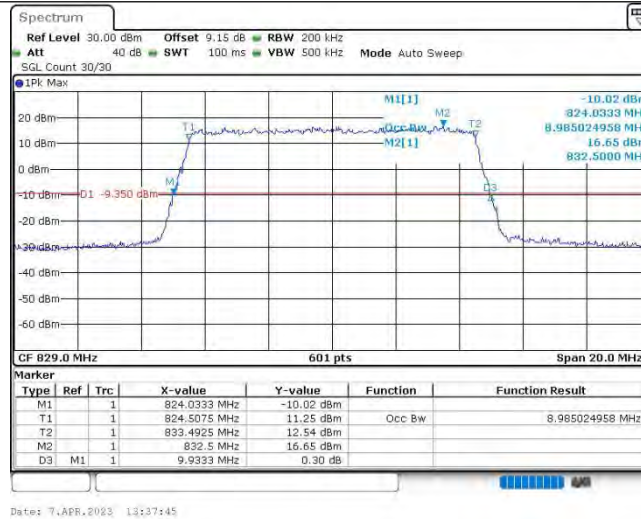
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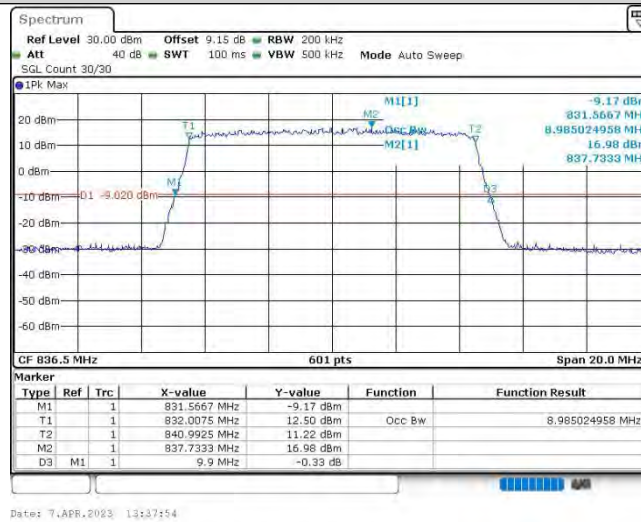
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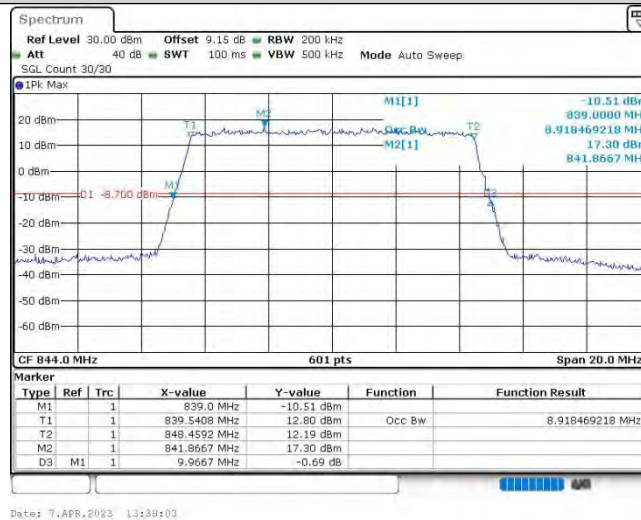
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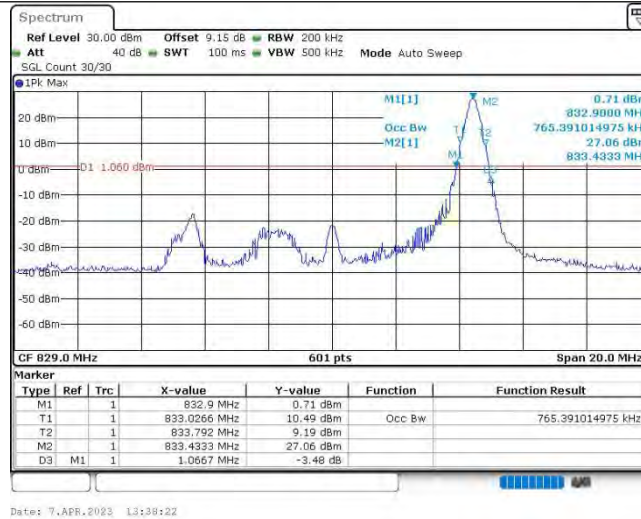
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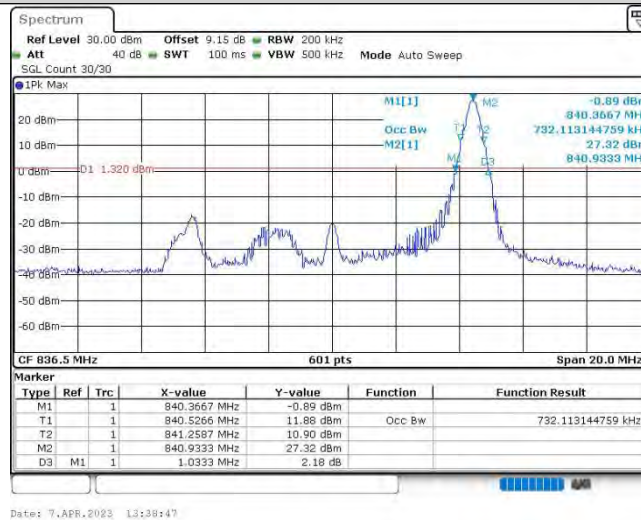
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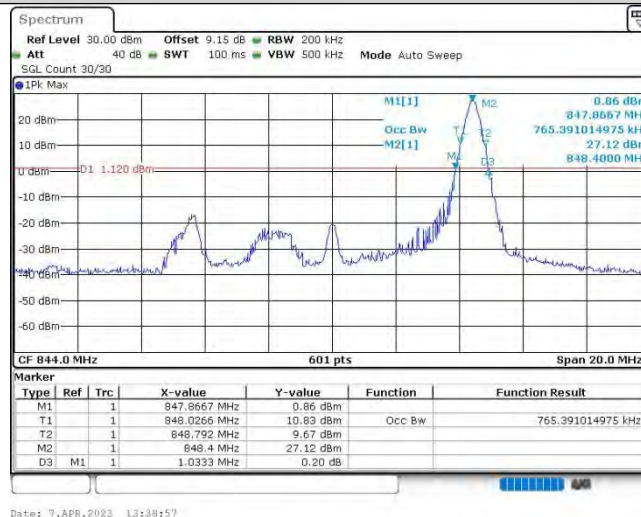
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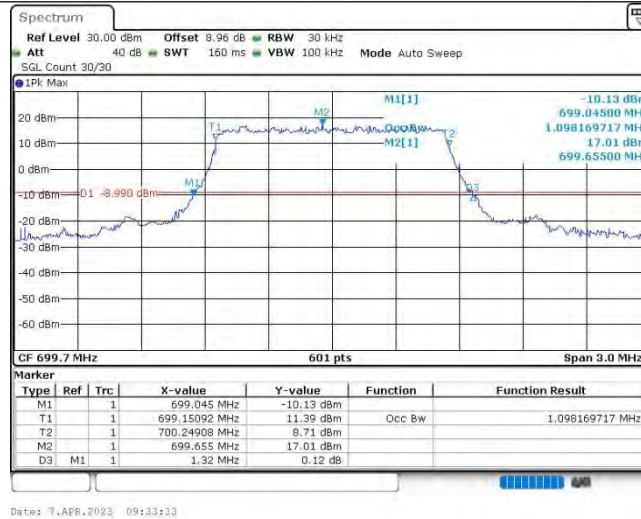
Band5-10MHz-16QAM-20450-1RB#49



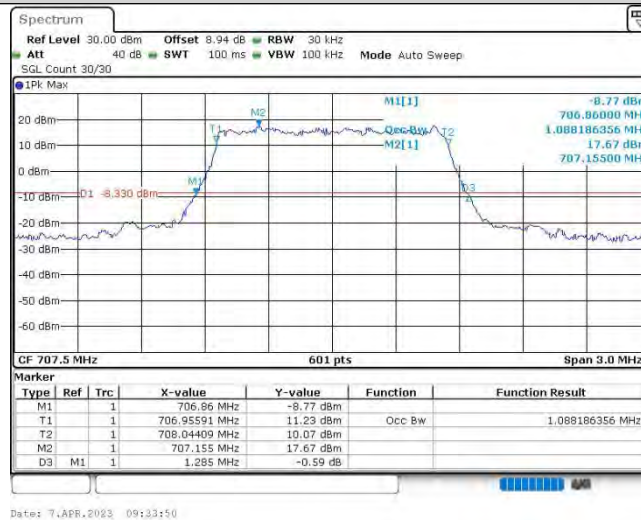
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Band5-10MHz-16QAM-20600-1RB#49



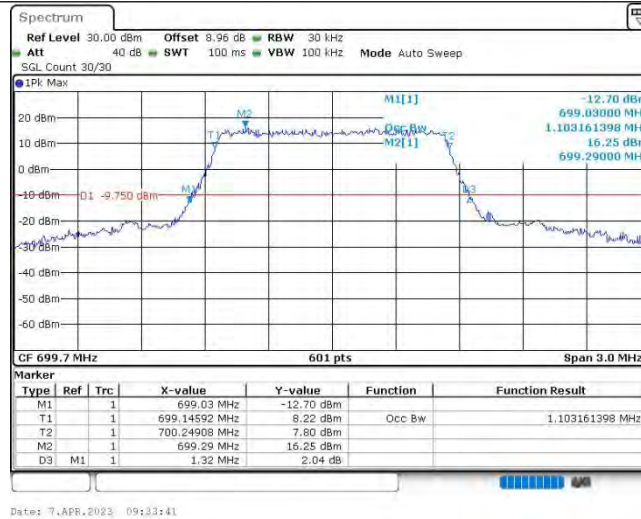
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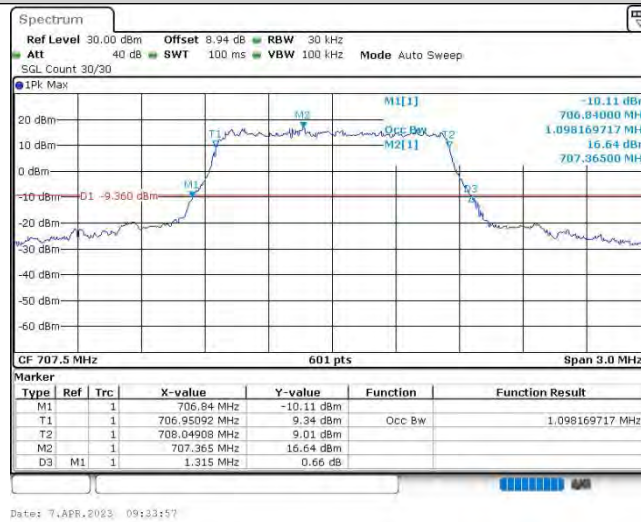
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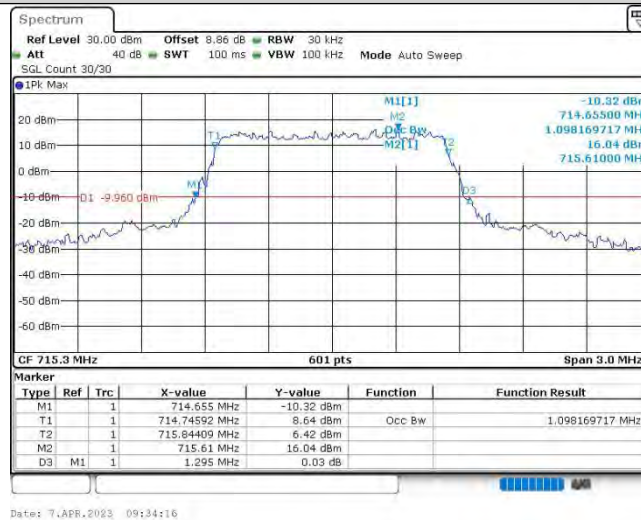
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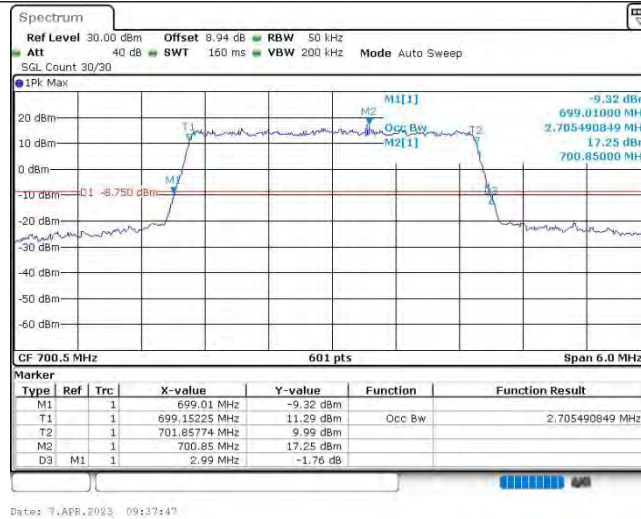
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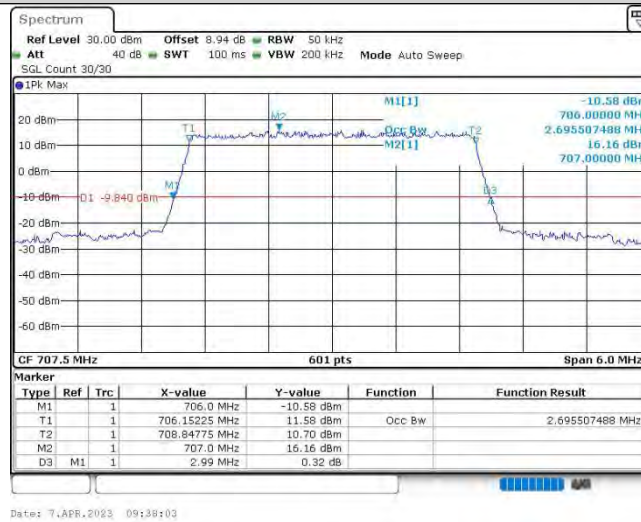
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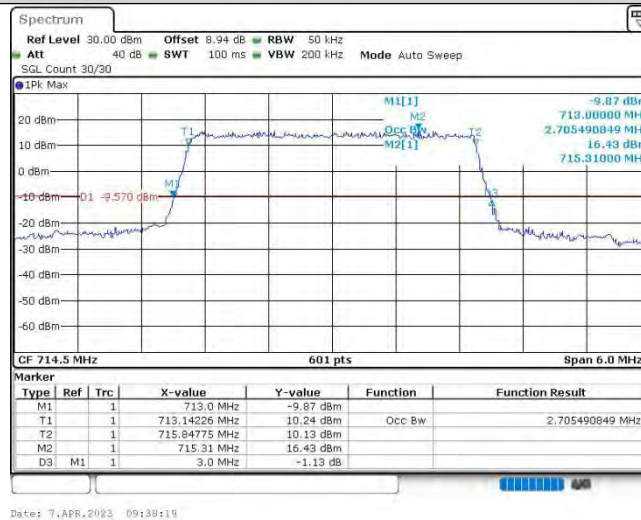
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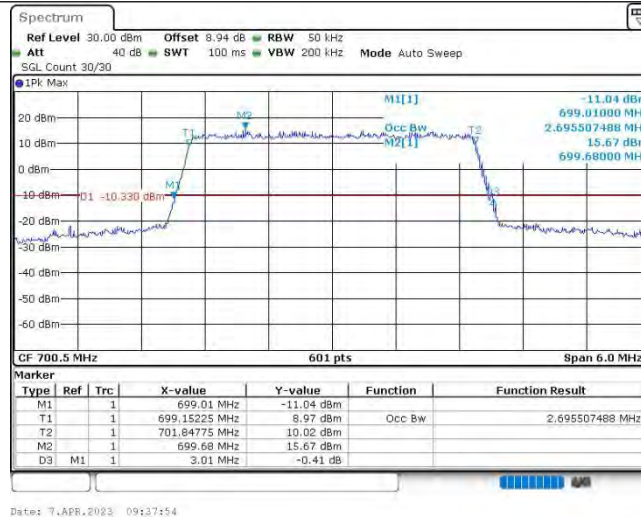
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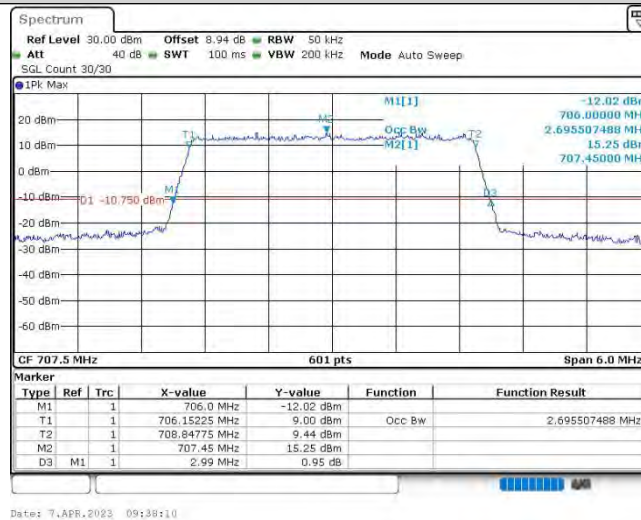
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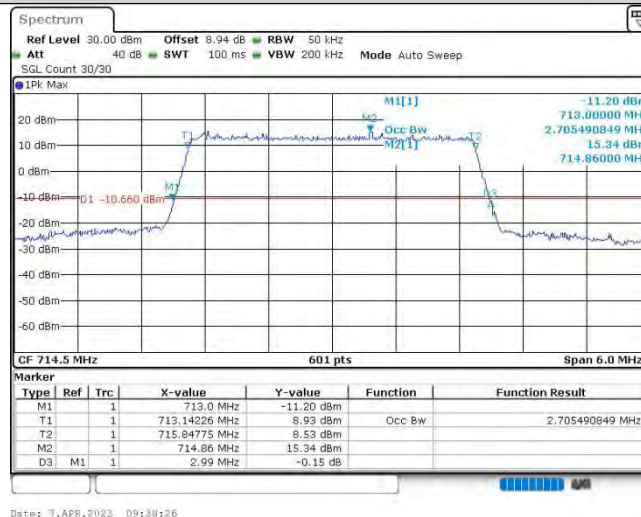
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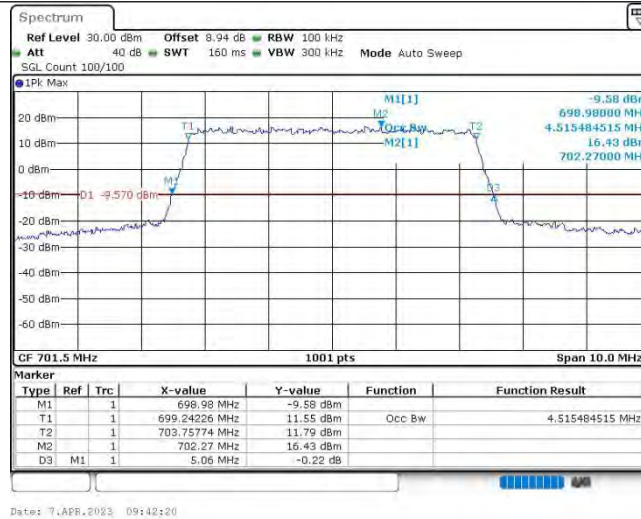
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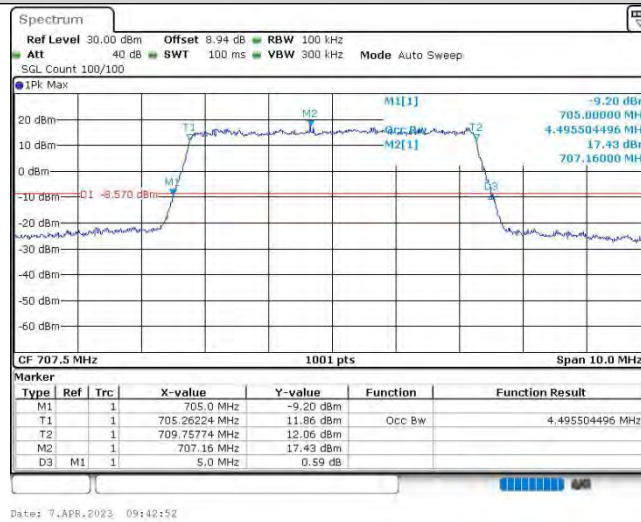
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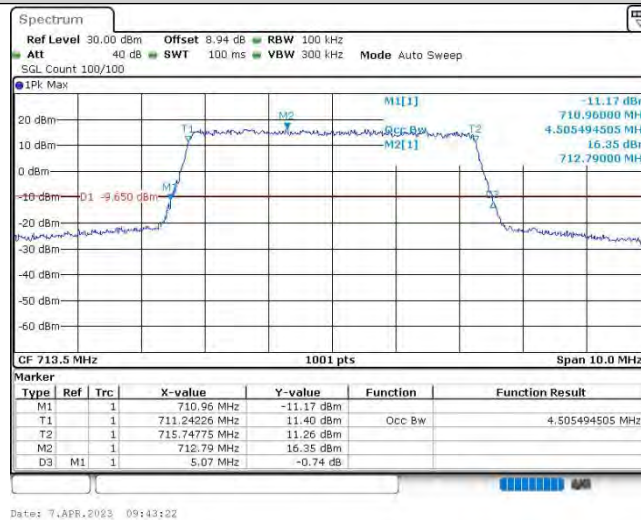
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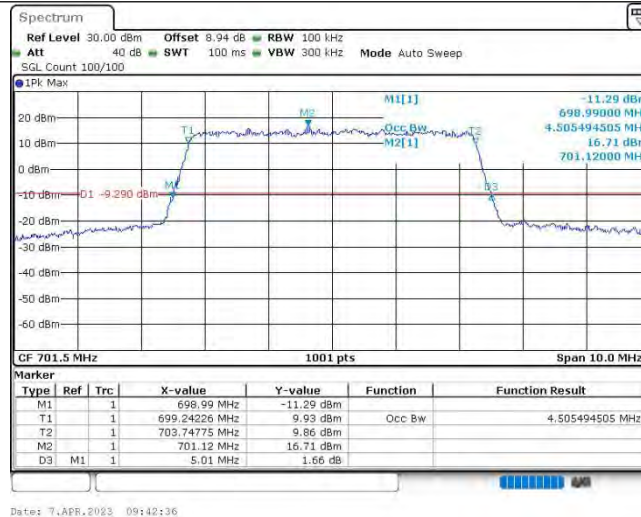
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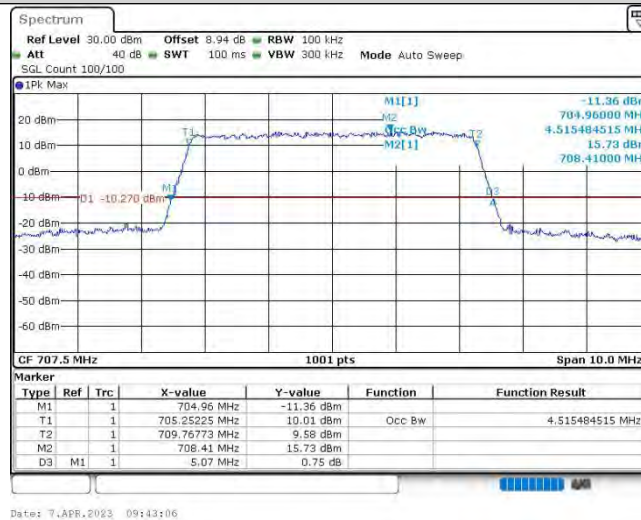
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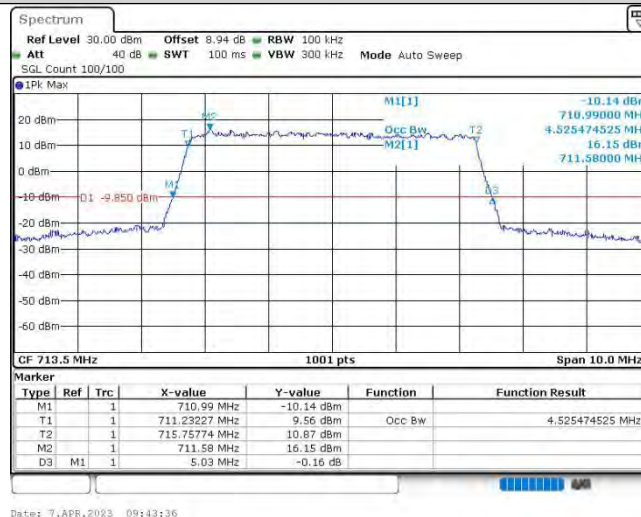
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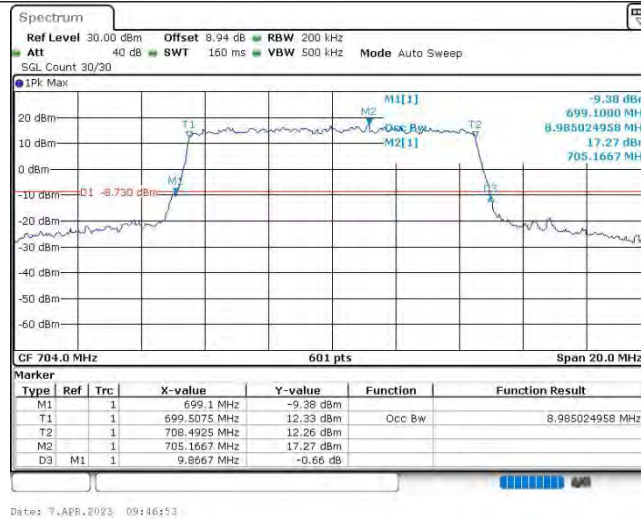
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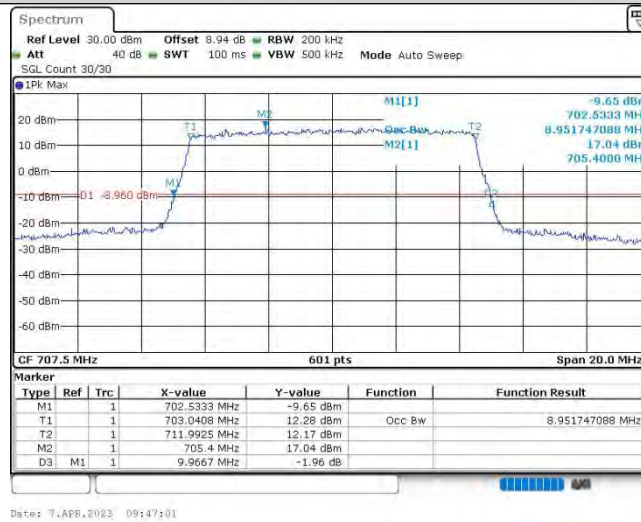
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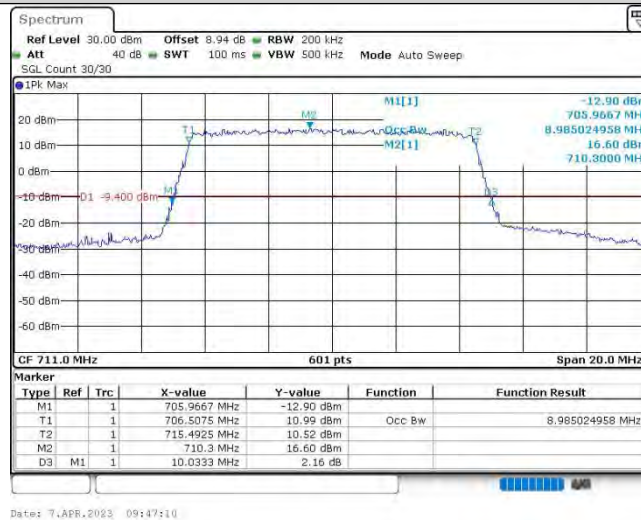
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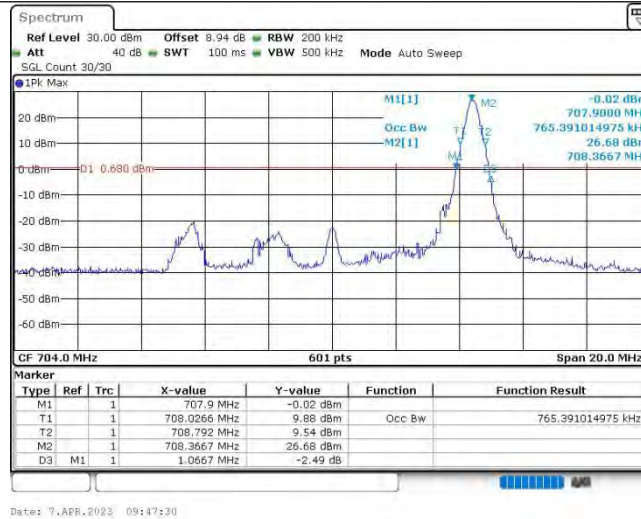
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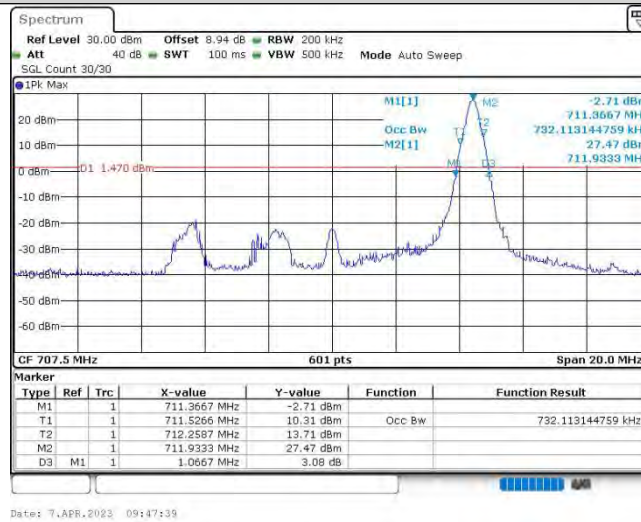
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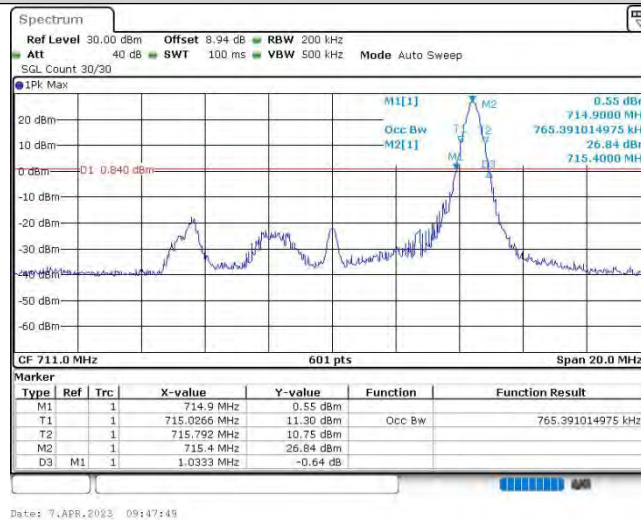
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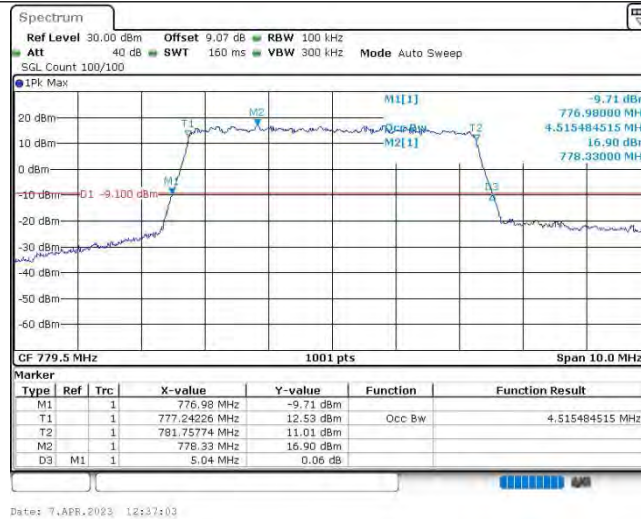
Band12-10MHz-16QAM-23060-1RB#49



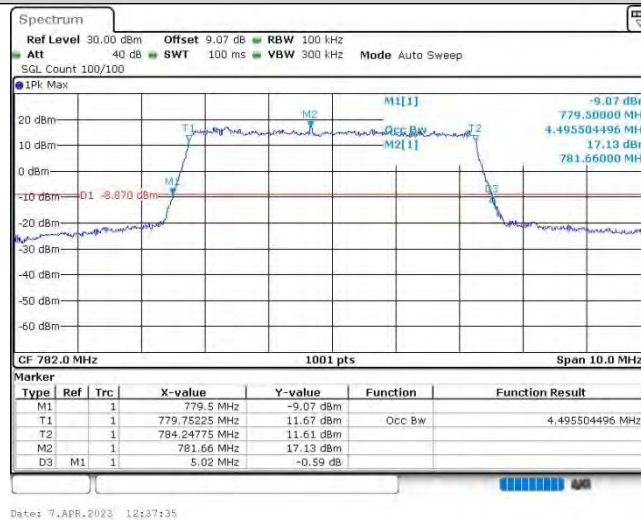
Band12-10MHz-16QAM-23095-1RB#49



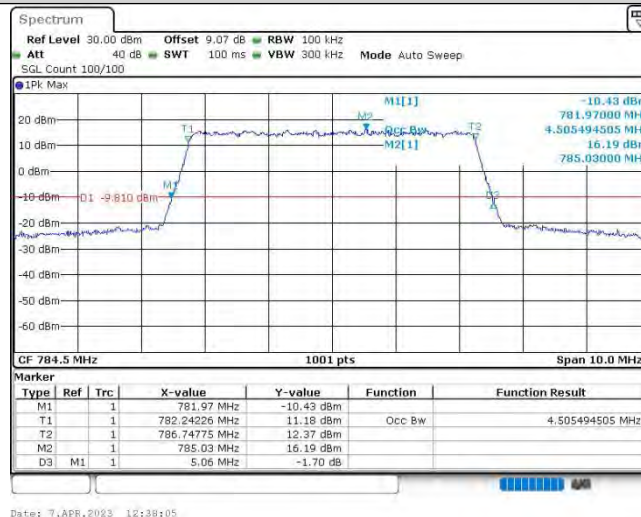
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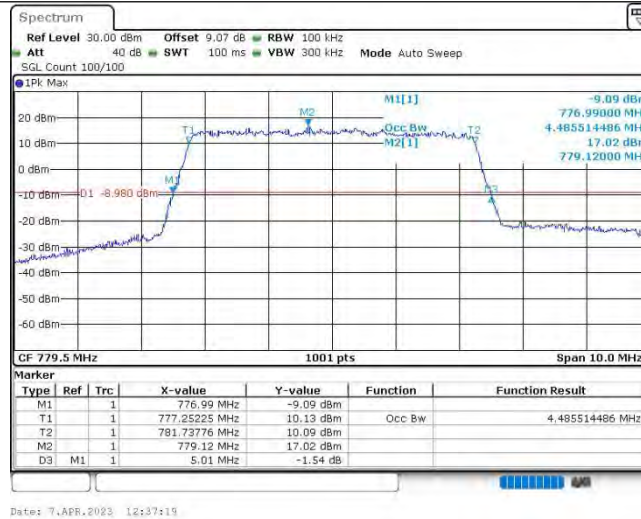
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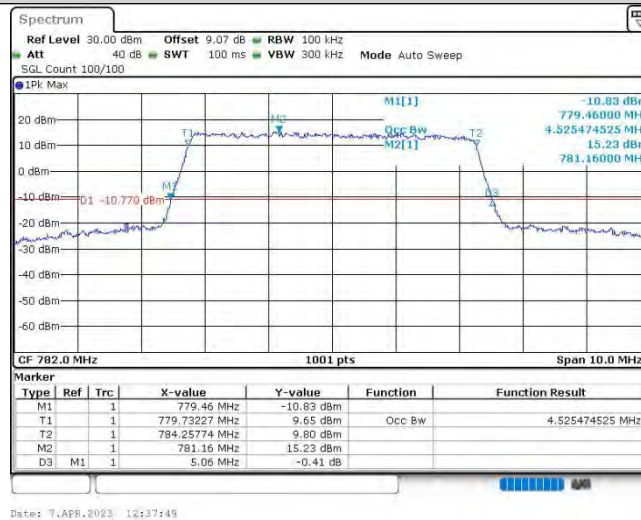
Band13-5MHz-QPSK-23230-25RB#0



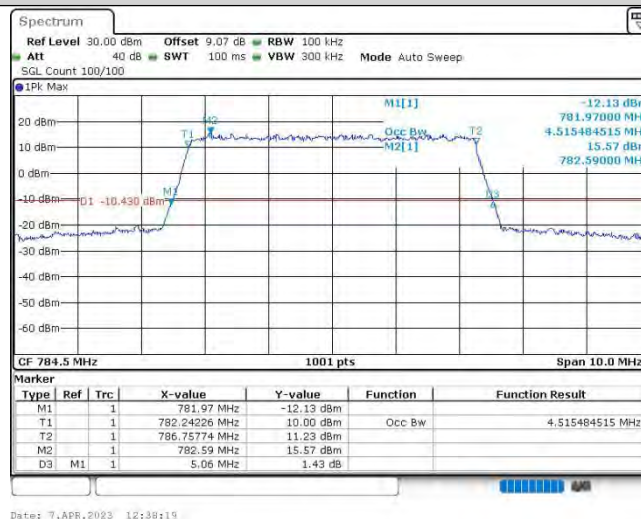
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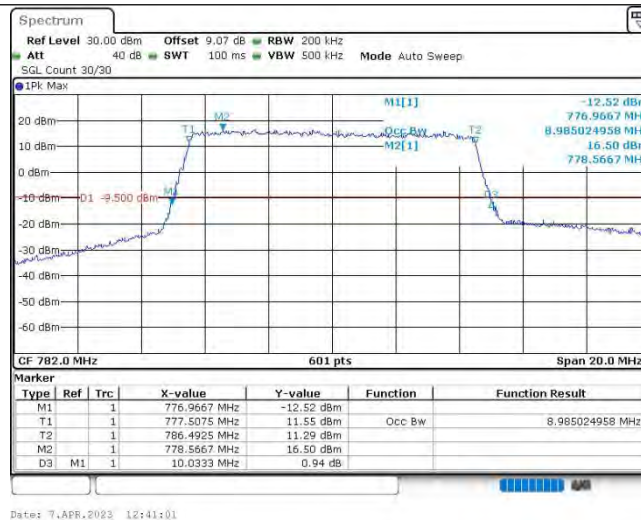
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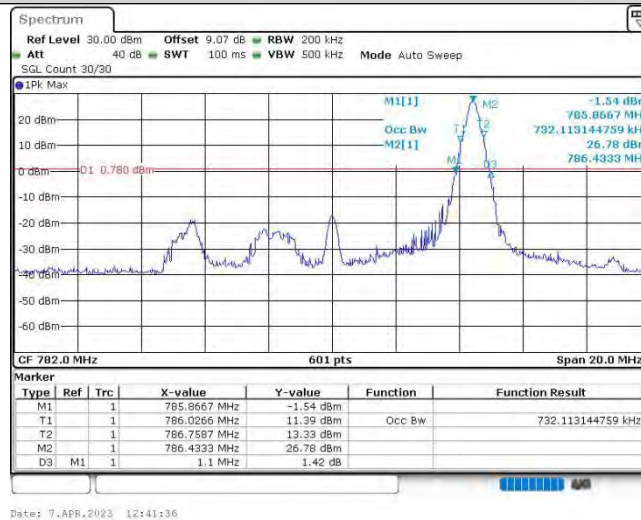
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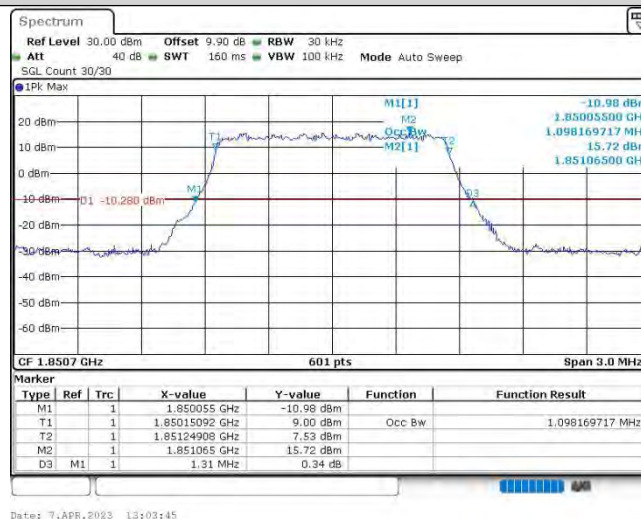
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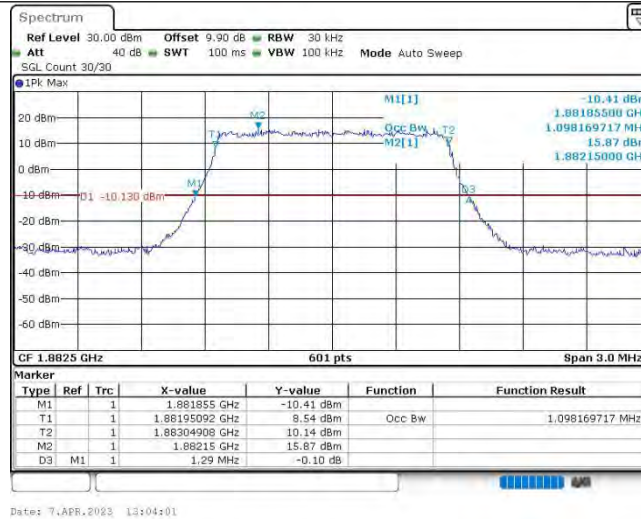
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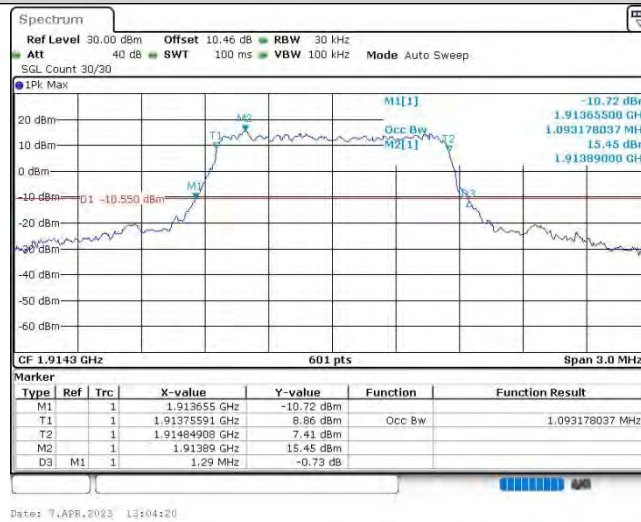
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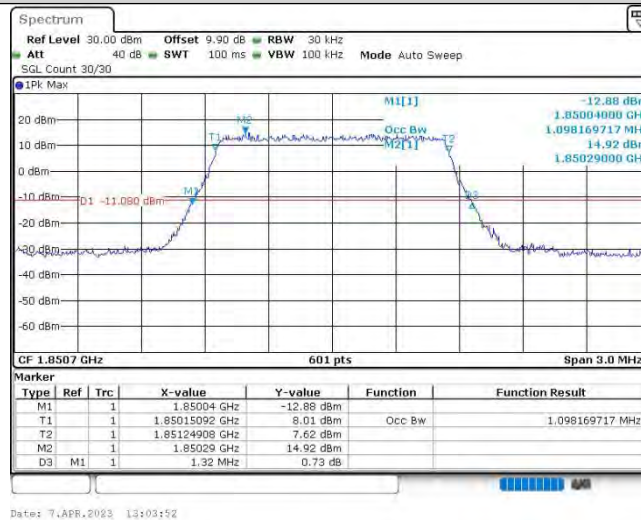
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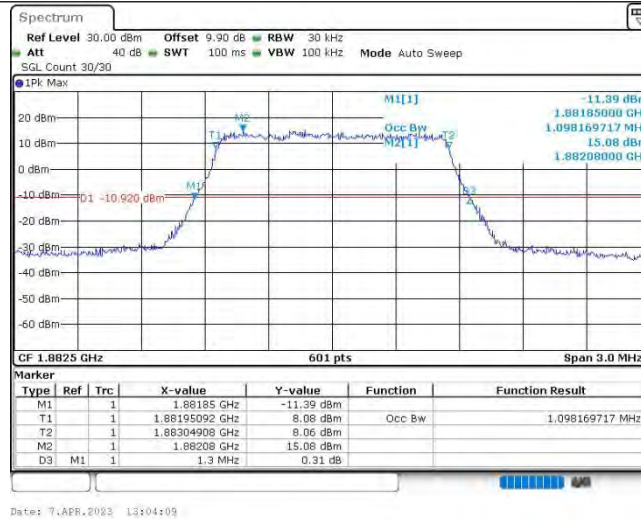
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Band25-1.4MHz-QPSK-26683-6RB#0



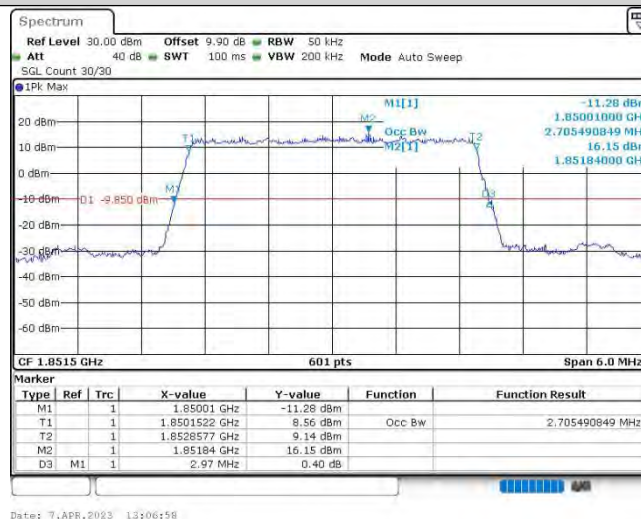
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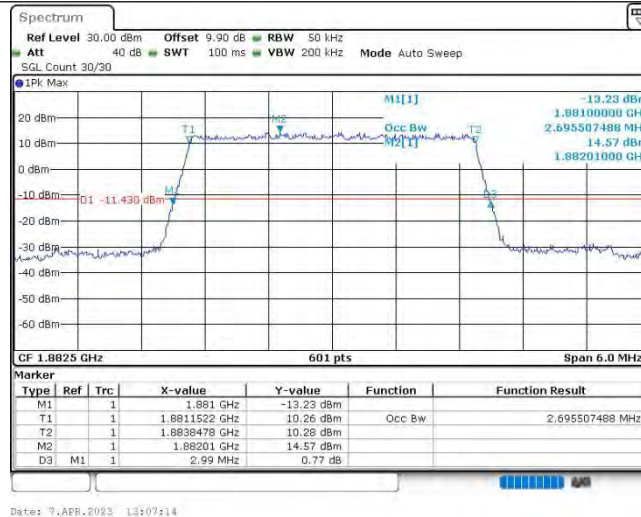
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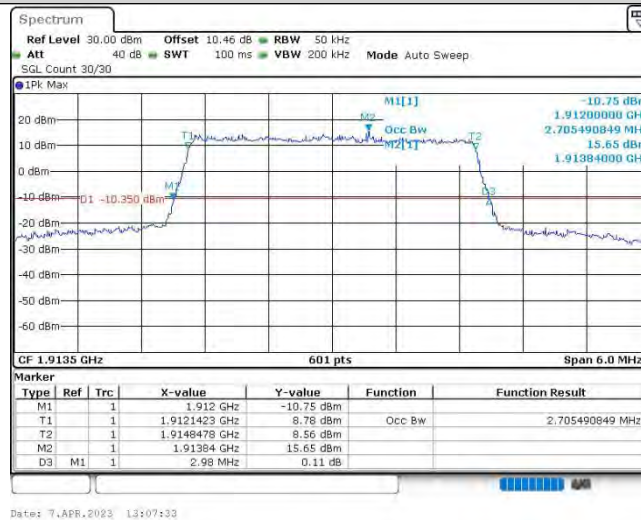
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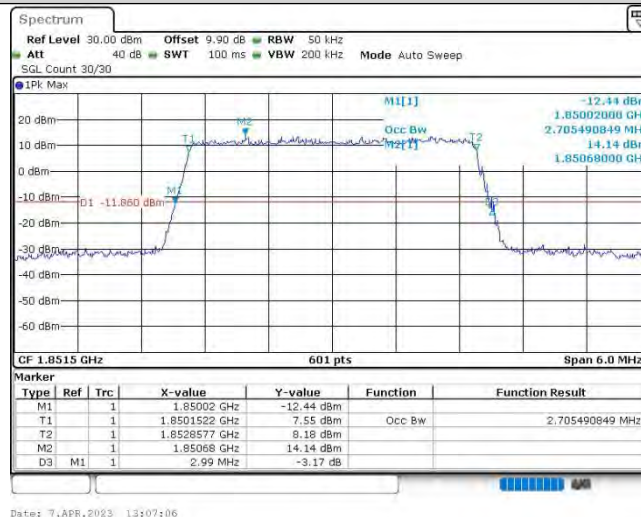
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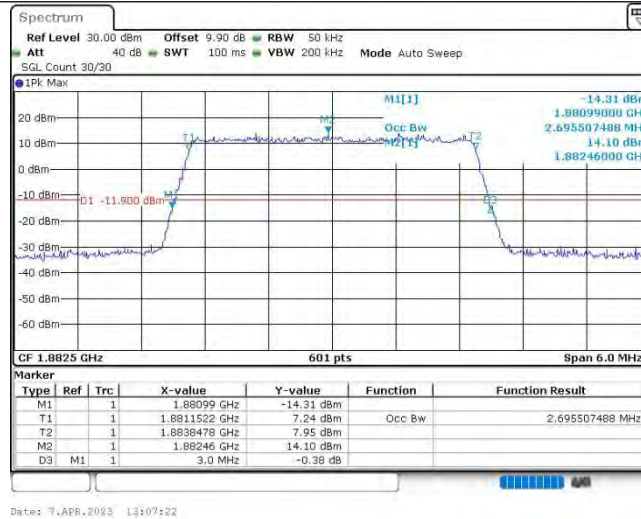
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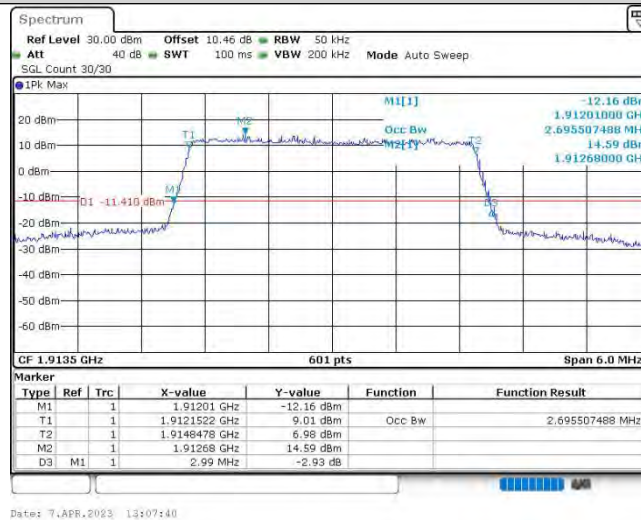
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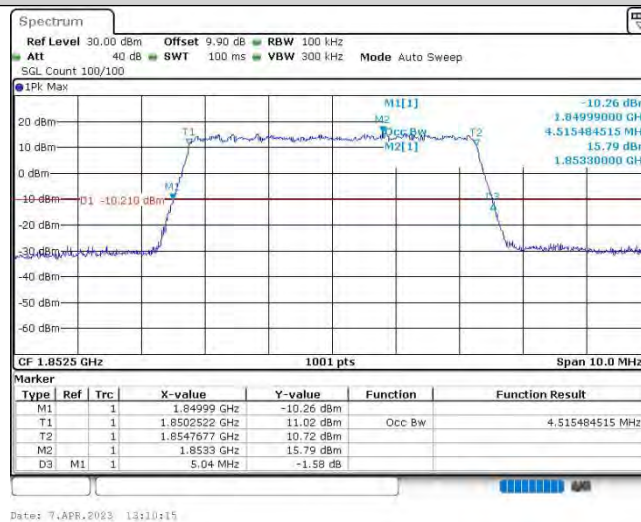
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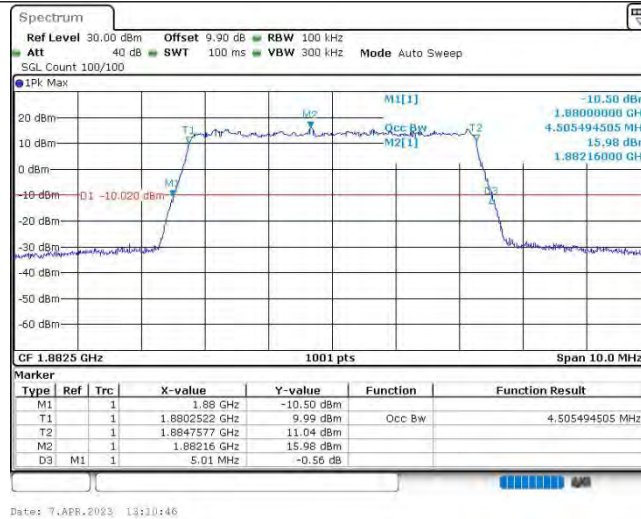
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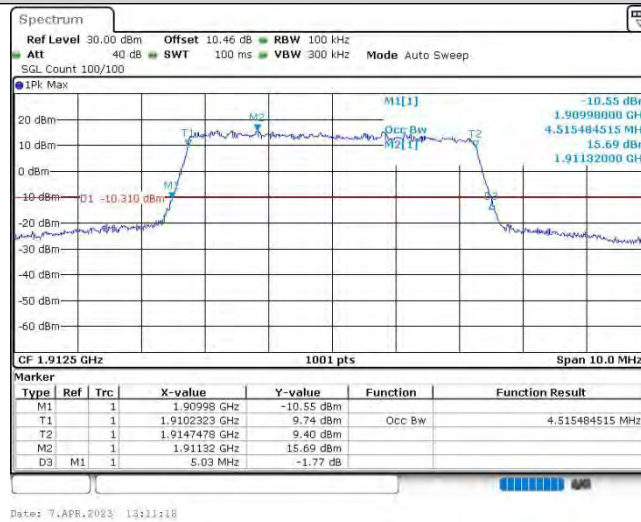
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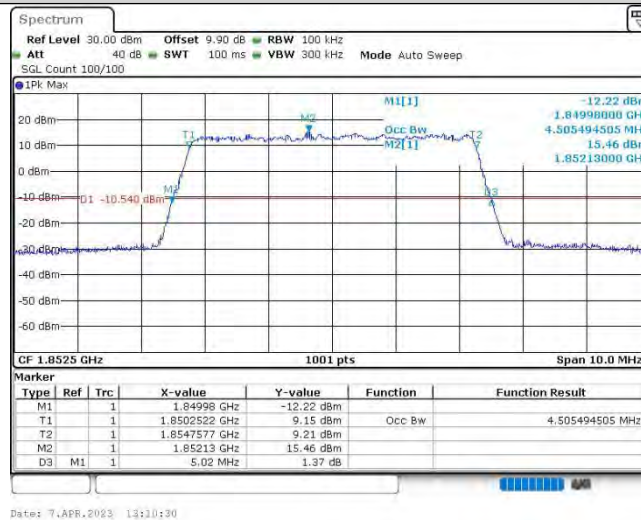
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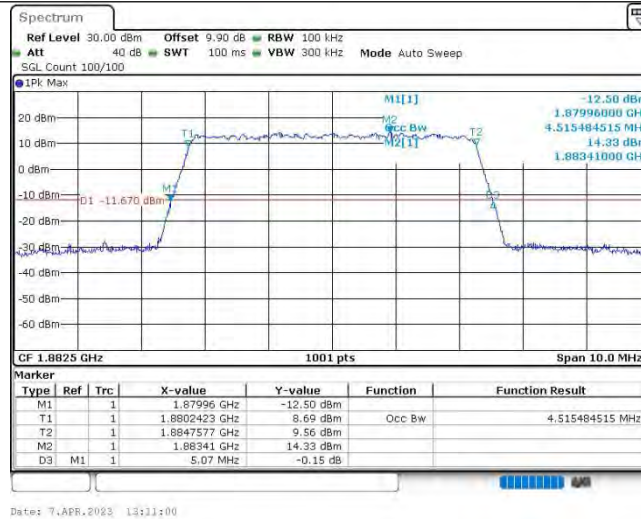
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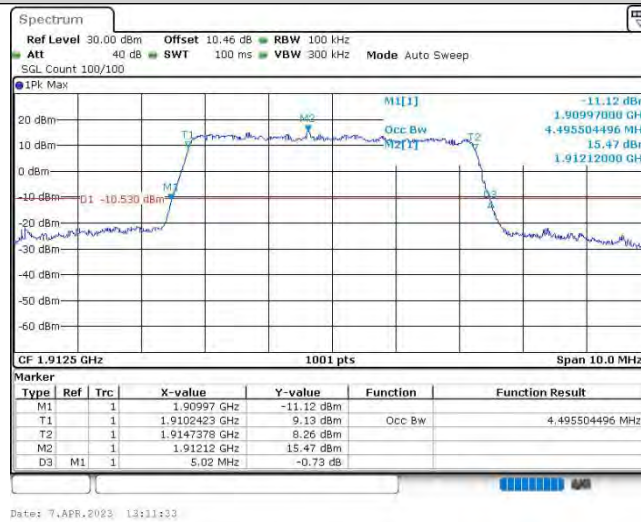
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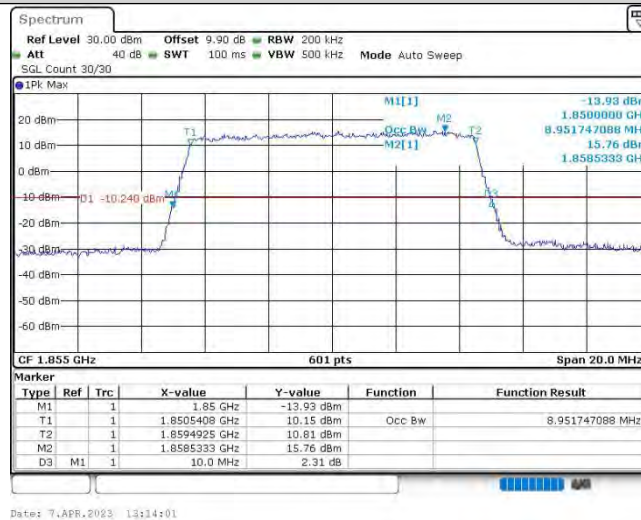
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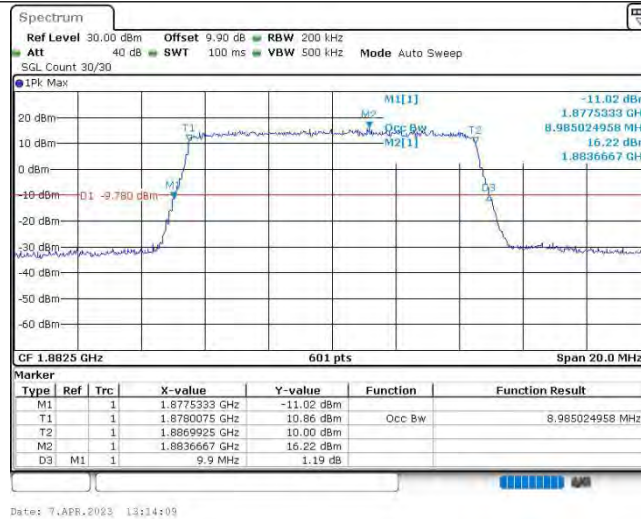
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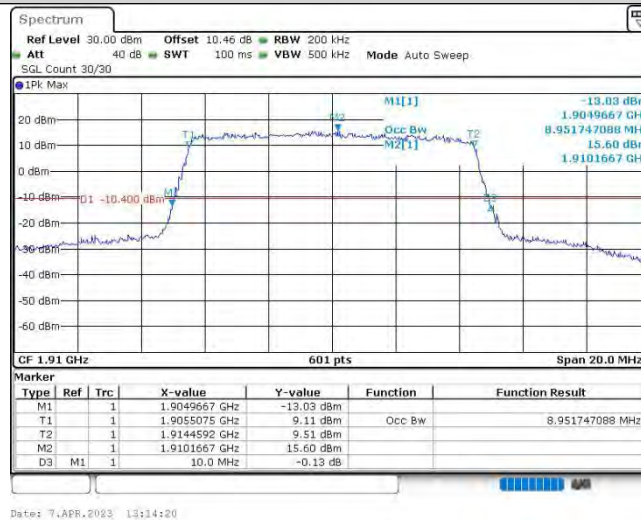
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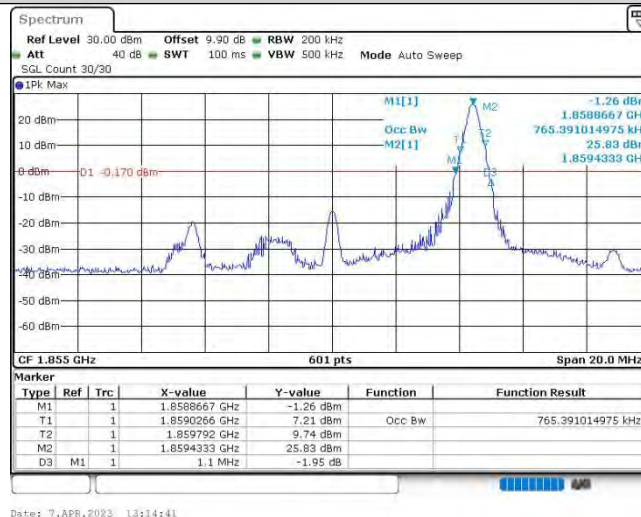
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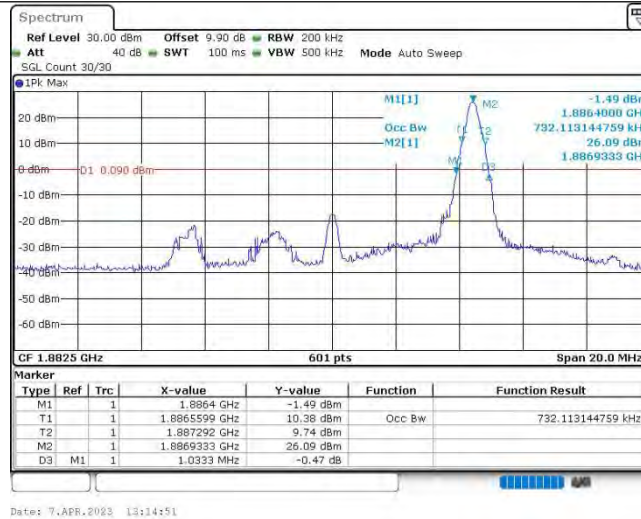
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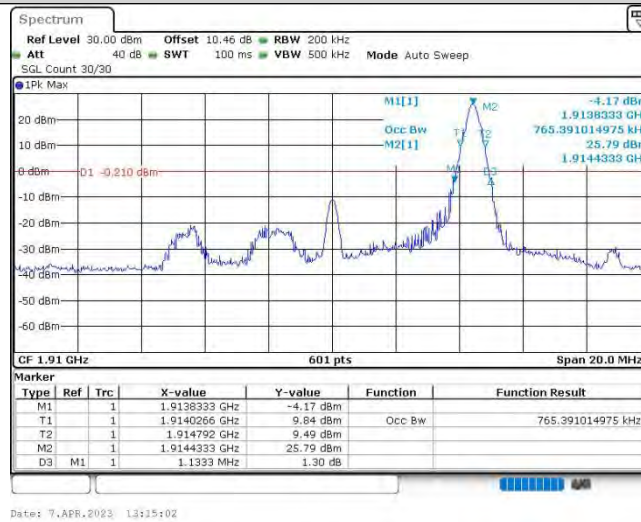
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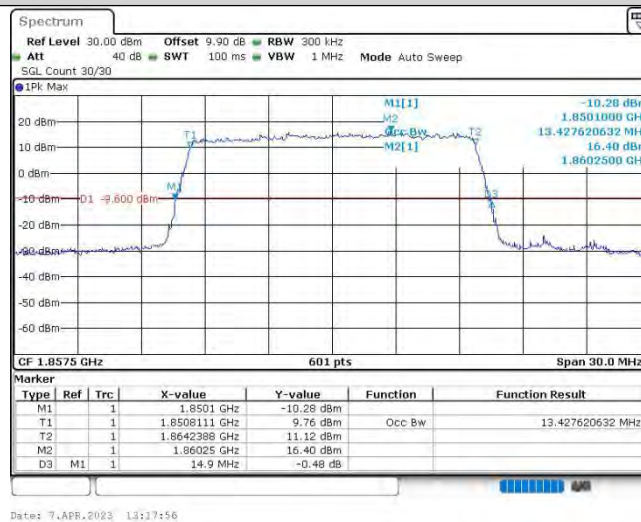
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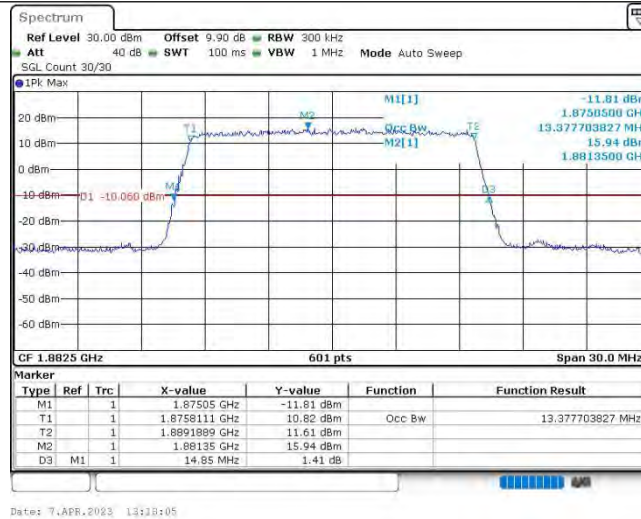
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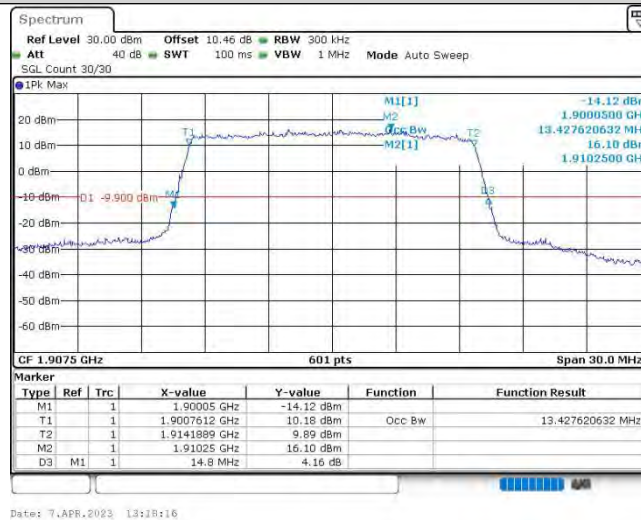
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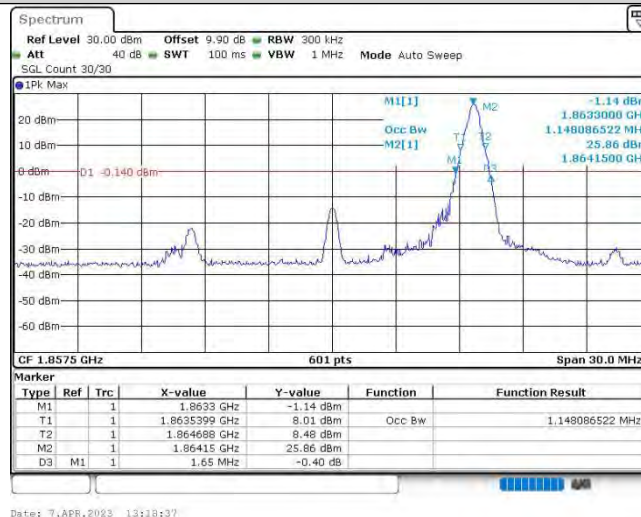
Band25-15MHz-QPSK-26115-75RB#0



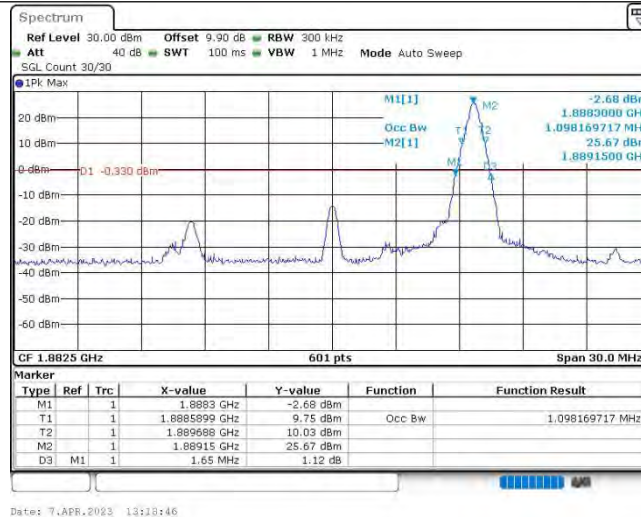
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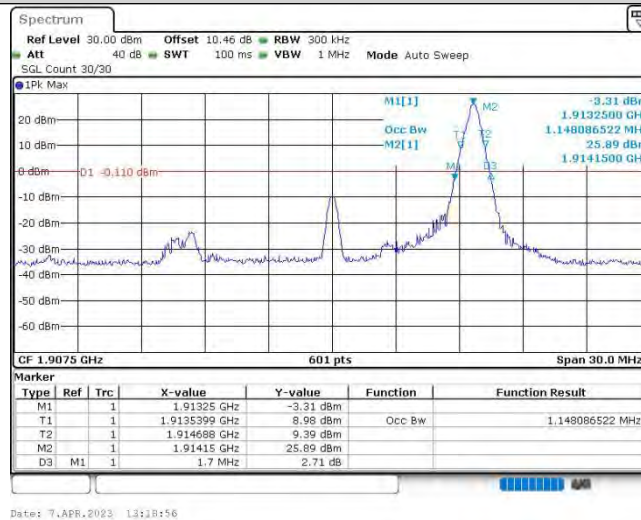
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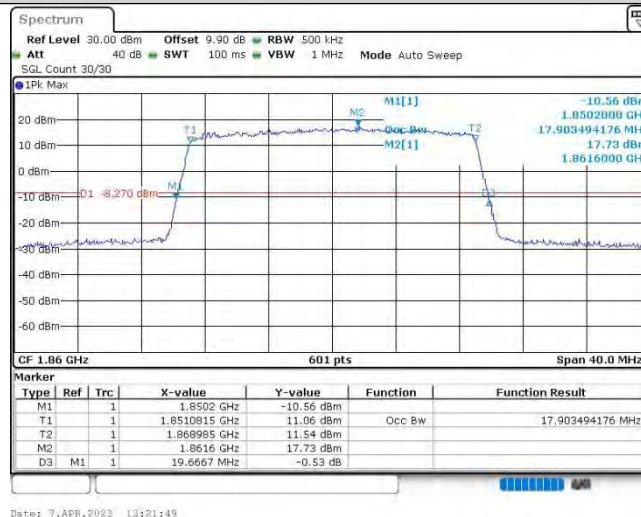
Band25-15MHz-16QAM-26115-1RB#74



Band25-15MHz-16QAM-26365-1RB#74



Band25-15MHz-16QAM-26615-1RB#74



Band25-20MHz-QPSK-26140-100RB#0