

FCC RF TEST REPORT

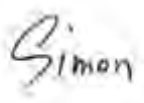
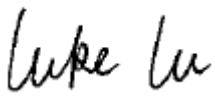
Applicant:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0020
Brand Name:	Continental
Model Name:	FE5NA0020
FCC ID:	LHJ-FE5NA0020
HW version:	P4.1
SW version:	MODEMSA515M_01.15.62
Registration No:	525120
Designation No:	CN1171
Date of tests:	Oct. 16, 2021 ~ Dec. 03, 2021

The tests have been carried out according to the requirements of the following standard:

- ☒ **FCC PART 22, Subpart H**
 ☒ **FCC PART 24, Subpart E**
 ☒ **FCC Part 27, Subpart C, M**
☒ **FCC Part 2**
☒ **ANSI/TIA/EIA-603-D**
 ☒ **ANSI C63.26-2015**
☒ **ANSI/TIA/EIA-603-E**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
	
Date: Dec. 04, 2021	Date: Dec. 04, 2021

This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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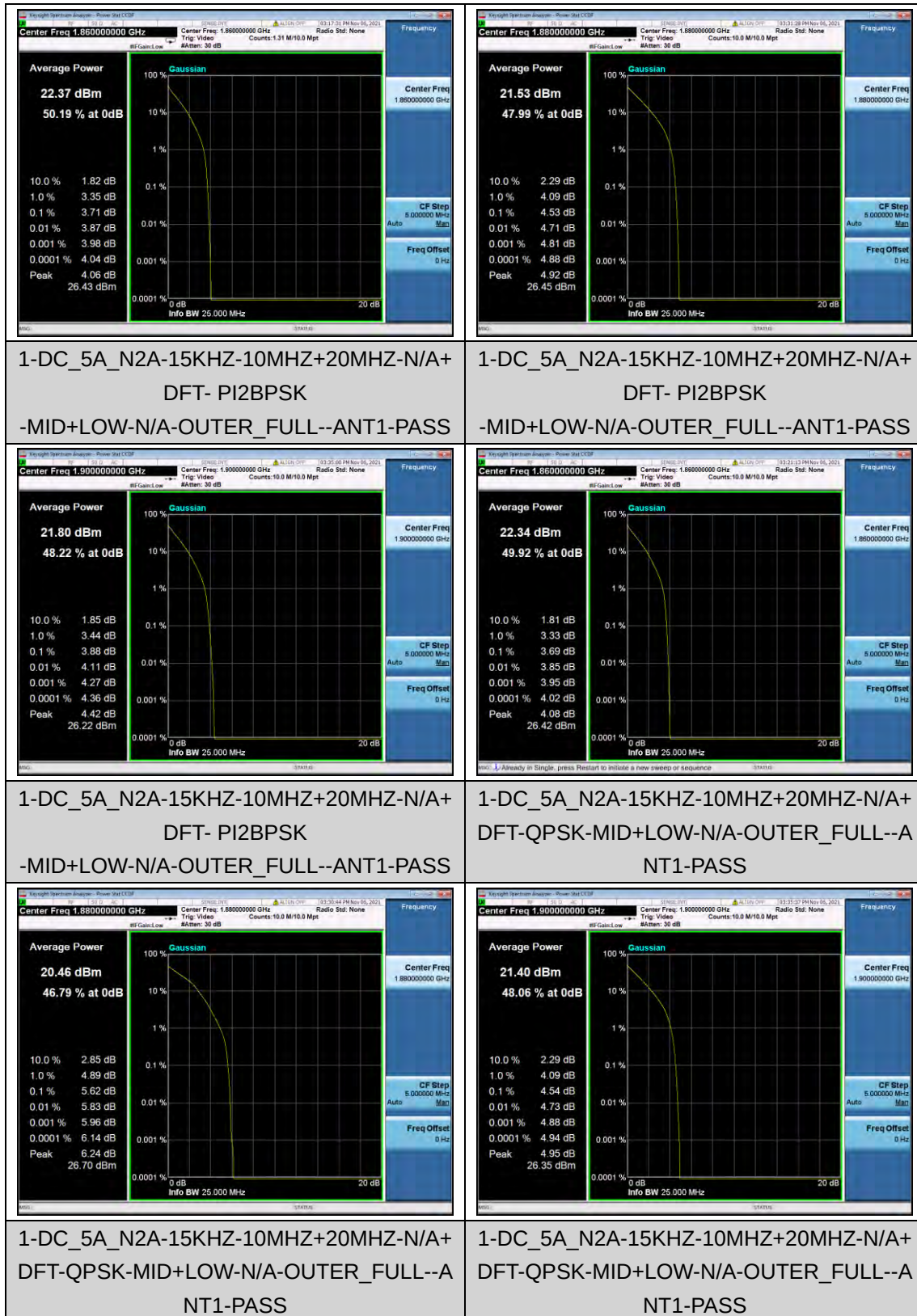
1. PEAK-TO-AVERAGE RATIO(PAPR)

1.1 ENDC_5A_N2A

1.1.1 TEST RESULT

BAND: ENDC_5A_N2A / BANDWIDTH: 20MHZ / NTNVDFT_15KHZ							
MODULATION	RB ALLOCATION		PEAK-AVERAGE RATIO (DB)				VERDICT
	SIZE	OFFSET	LCH	MCH	HCH	LIMIT	
PI2BPSK	OUTER_FULL	0	3.71	4.53	3.88	<=13	PASS
QPSK	OUTER_FULL	0	3.69	5.62	4.54	<=13	PASS
16QAM	OUTER_FULL	0	3.67	5.98	5.47	<=13	PASS
64QAM	OUTER_FULL	0	5.93	6.46	6.04	<=13	PASS
256QAM	OUTER_FULL	0	5.98	6.52	6.00	<=13	PASS

1.1.2 TEST GRAPHS

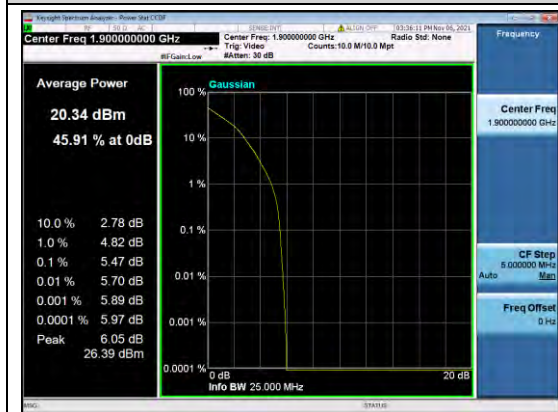




1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-16QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



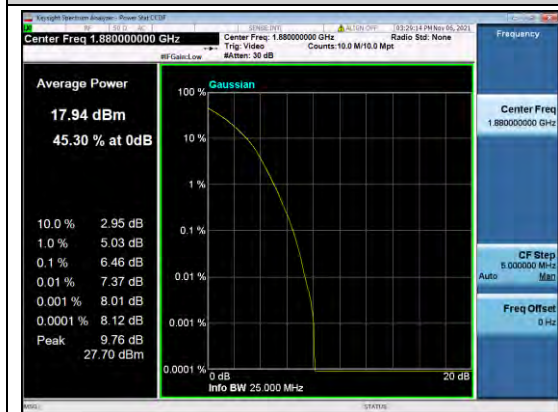
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DFT-16QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-16QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



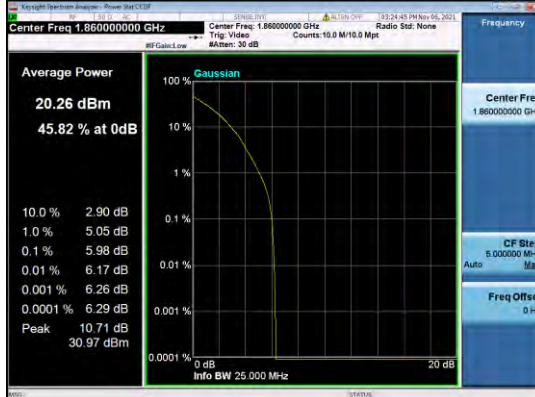
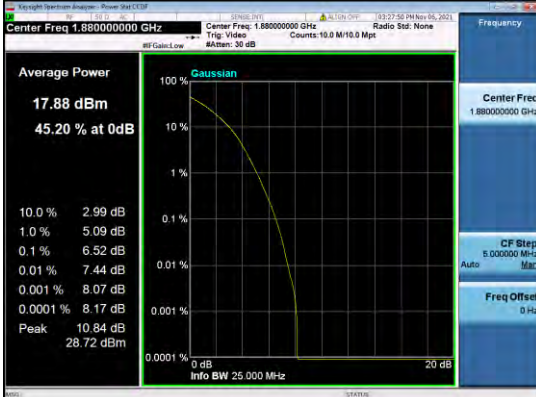
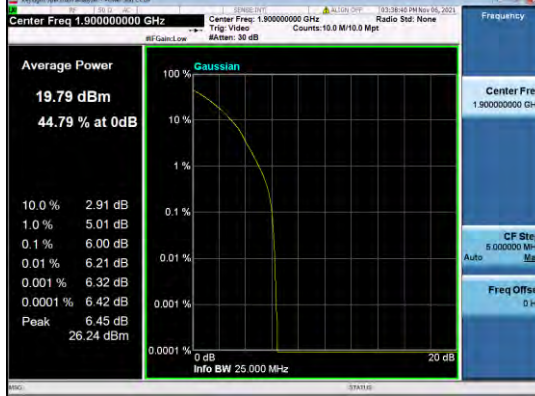
1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



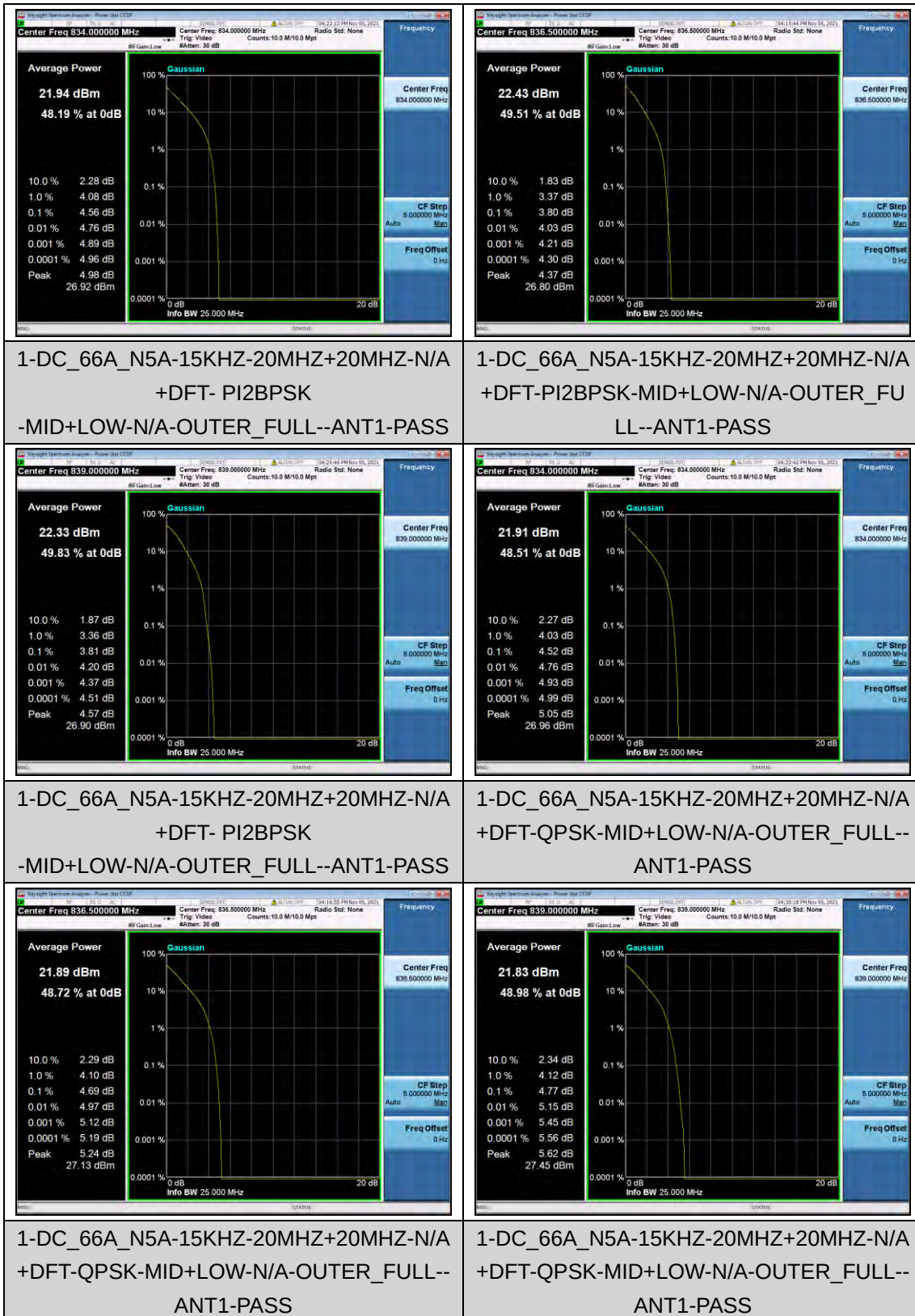
1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS

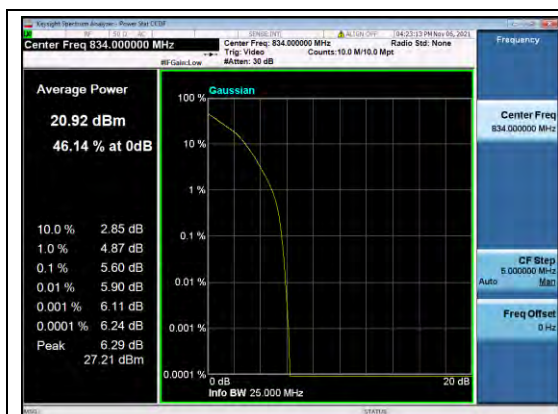
	
1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+ DFT-256QAM-MID+LOW-N/A-OUTER_FULL --ANT1-PASS	1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+ DFT-256QAM-MID+LOW-N/A-OUTER_FULL --ANT1-PASS
	/
1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+ DFT-256QAM-MID+LOW-N/A-OUTER_FULL --ANT1-PASS	/

**1.2 ENDC_66A_N5A****1.2.1 TEST RESULT**

BAND: ENDC_66A_N5A / BANDWIDTH: 20MHZ / NTV_DFT_15KHZ							
MODULATION	RB ALLOCATION		PEAK-AVERAGE RATIO (DB)				VERDICT
	SIZE	OFFSET	LCH	MCH	HCH	LIMIT	
PI2BPSK	OUTER_FULL	0	4.56	3.80	3.81	<=13	PASS
QPSK	OUTER_FULL	0	4.52	4.69	4.77	<=13	PASS
16QAM	OUTER_FULL	0	5.60	5.90	5.57	<=13	PASS
64QAM	OUTER_FULL	0	6.00	6.03	6.05	<=13	PASS
256QAM	OUTER_FULL	0	6.53	6.03	6.02	<=13	PASS

1.2.2 TEST GRAPHS





1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-16QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



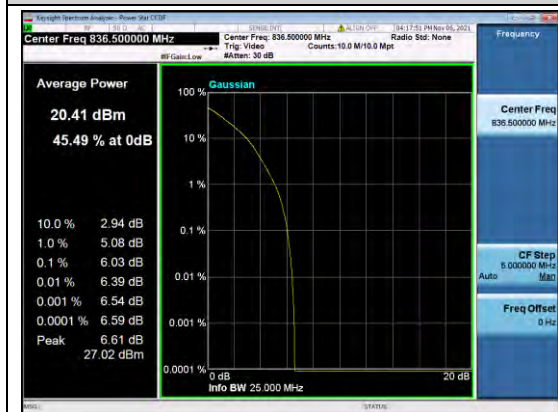
1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-16QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-16QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



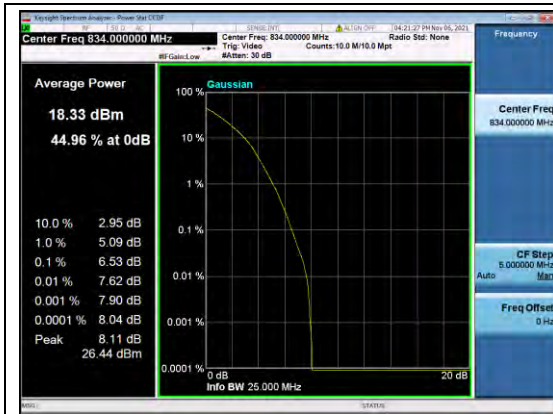
1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-64QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-64QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



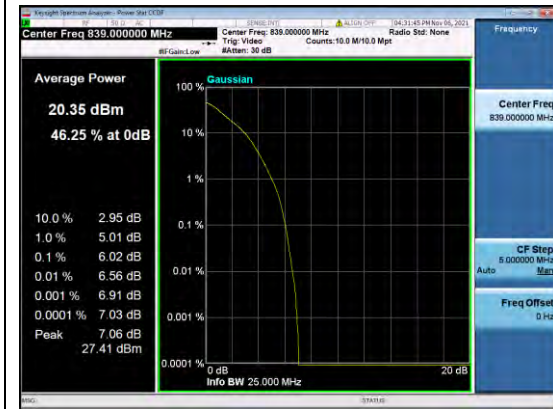
1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-64QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-256QAM-MID+LOW-N/A-OUTER_FUL
L--ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-256QAM-MID+LOW-N/A-OUTER_FUL
L--ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+20MHZ-N/A
+DFT-256QAM-MID+LOW-N/A-OUTER_FUL
L--ANT1-PASS

/

/

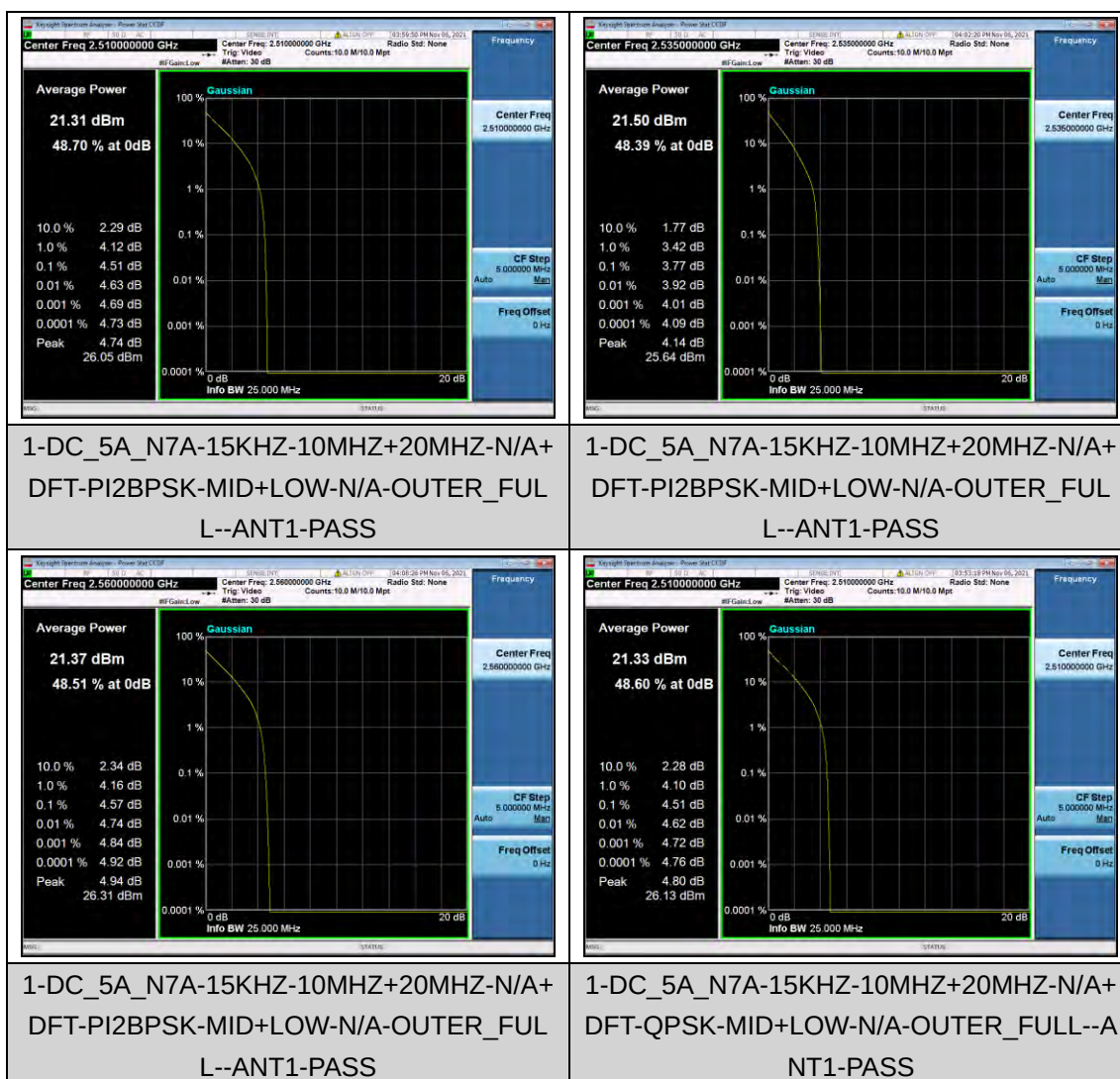


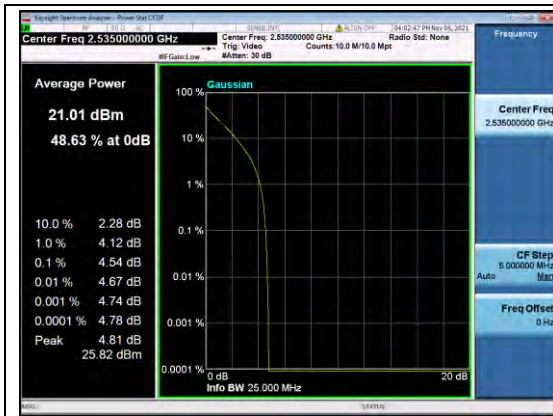
1.3 ENDC_5A_N7A

1.3.1 TEST RESULT

BAND: ENDC_5A_N7A / BANDWIDTH: 20MHZ / NTVN_DFT_15KHZ							
MODULATION	RB ALLOCATION		PEAK-AVERAGE RATIO (DB)				VERDICT
	SIZE	OFFSET	LCH	MCH	HCH	LIMIT	
PI2BPSK	OUTER_FULL	0	4.51	3.77	4.57	<=13	PASS
QPSK	OUTER_FULL	0	4.51	4.54	4.53	<=13	PASS
16QAM	OUTER_FULL	0	5.50	5.55	6.03	<=13	PASS
64QAM	OUTER_FULL	0	6.06	6.06	6.04	<=13	PASS
256QAM	OUTER_FULL	0	6.77	6.01	6.88	<=13	PASS

1.3.2 TEST GRAPHS

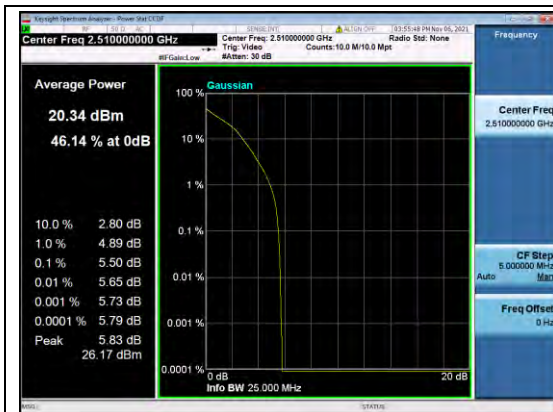




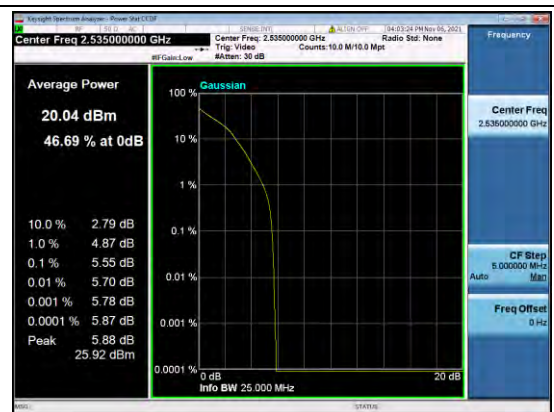
1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-QPSK-MID+LOW-N/A-OUTER_FULL--A
NT1-PASS



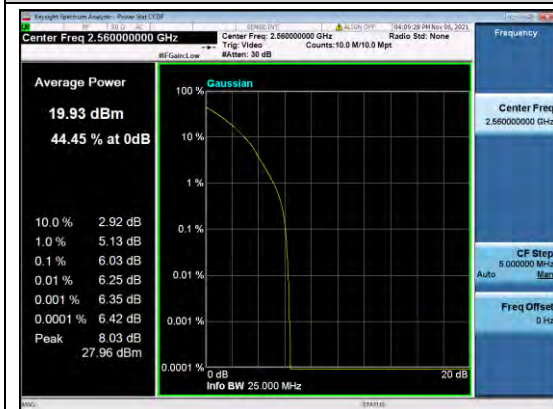
1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-QPSK-MID+LOW-N/A-OUTER_FULL--A
NT1-PASS



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-16QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-16QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-16QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS

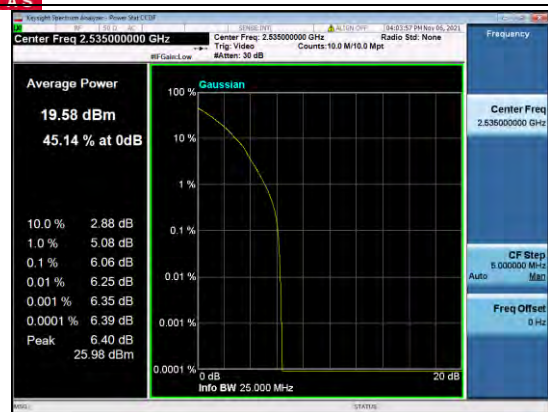


1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



**BUREAU
VERITAS**

Test Report No.: W7L-P20210616-3RF05



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-256QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-256QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



1-DC_5A_N7A-15KHZ-10MHZ+20MHZ-N/A+
DFT-256QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS

/

/

2. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR NSA

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Email: customerservice.sw@bureauveritas.com

2.1 ENDC_5A_N2A

2.1.1 TEST RESULT

BAND	SCS	BANDWIDTH	MODULATION	CHANNEL	RB CONFIG	RESULT (99%)	RESULT (26DB)	VERDICT
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	DFT-PI2BPS K	LOW	OUTER_F ULL	4.4723	4.955	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	DFT-PI2BPS K	MID	OUTER_F ULL	4.4777	5.028	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-PI2 BPSK	HIGH	OUTER_F ULL	4.4808	5.086	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-QP SK	LOW	OUTER_F ULL	4.4922	5.016	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-QP SK	MID	OUTER_F ULL	4.484.0	4.926	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-QP SK	HIGH	OUTER_F ULL	4.4837	5.075	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-16 QAM	LOW	OUTER_F ULL	4.4708	4.975	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-16 QAM	MID	OUTER_F ULL	4.4611	4.941	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-16 QAM	HIGH	OUTER_F ULL	4.4603	4.959	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-64 QAM	LOW	OUTER_F ULL	4.4805	4.946	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-64 QAM	MID	OUTER_F ULL	4.4732	5.021	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-64 QAM	HIGH	OUTER_F ULL	4.4856	5.016	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-25 6QAM	LOW	OUTER_F ULL	4.4721	5.011	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-25 6QAM	MID	OUTER_F ULL	4.4742	4.995	PASS
DC_5A_N 2A	15KHZ	5MHZ+5 MHZ	N/A+DFT-25 6QAM	HIGH	OUTER_F ULL	4.4928	5.082	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-PI2 BPSK	LOW	OUTER_F ULL	8.9050	9.752	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-PI2 BPSK	MID	OUTER_F ULL	8.9100	9.862	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-PI2 BPSK	HIGH	OUTER_F ULL	8.9053	9.827	PASS
DC_5A_N	15KHZ	5MHZ+10	N/A+DFT-QP	LOW	OUTER_F	8.9209	9.633	PASS

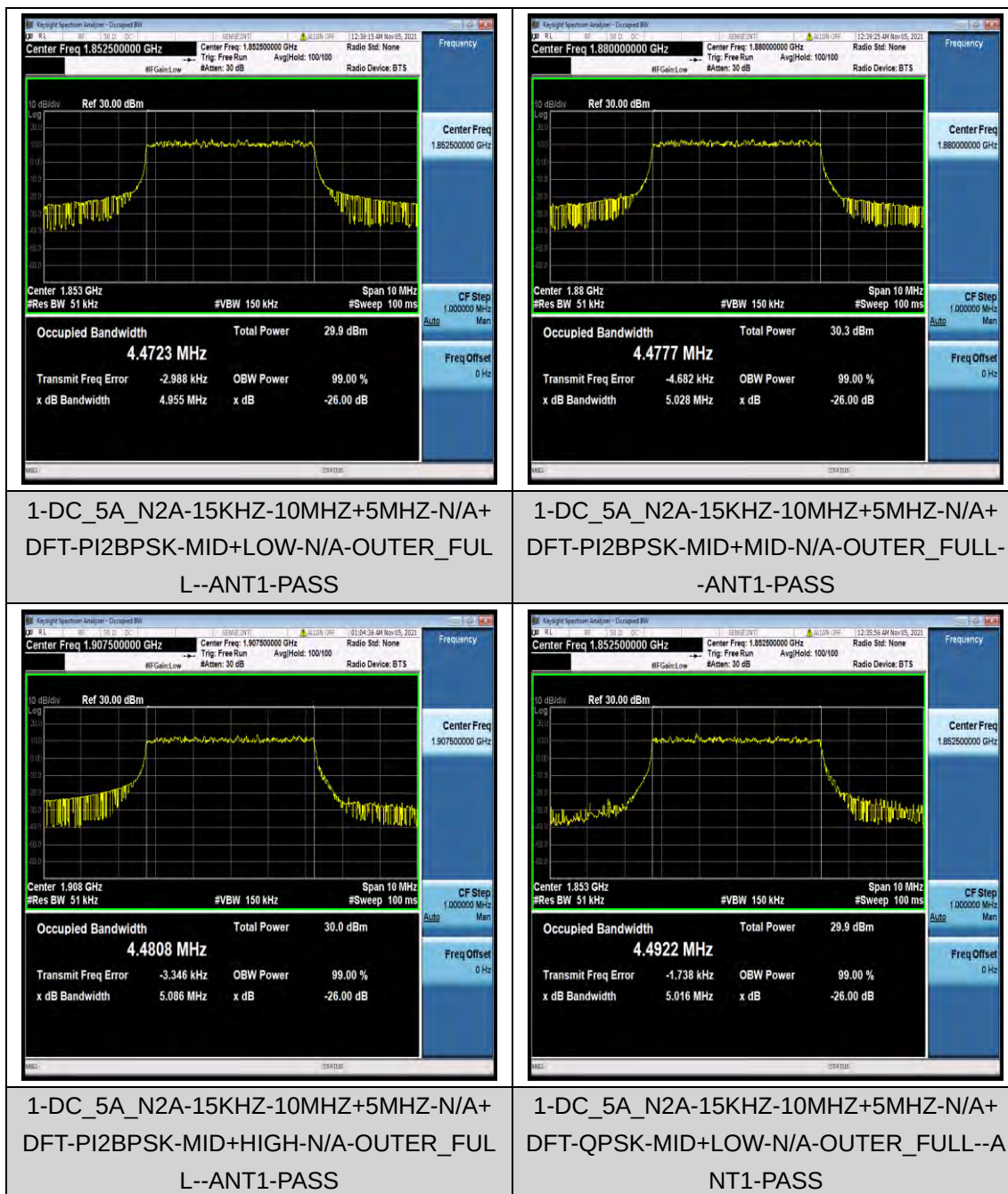
**Test Report No.: W7L-P20210616-3RF05**

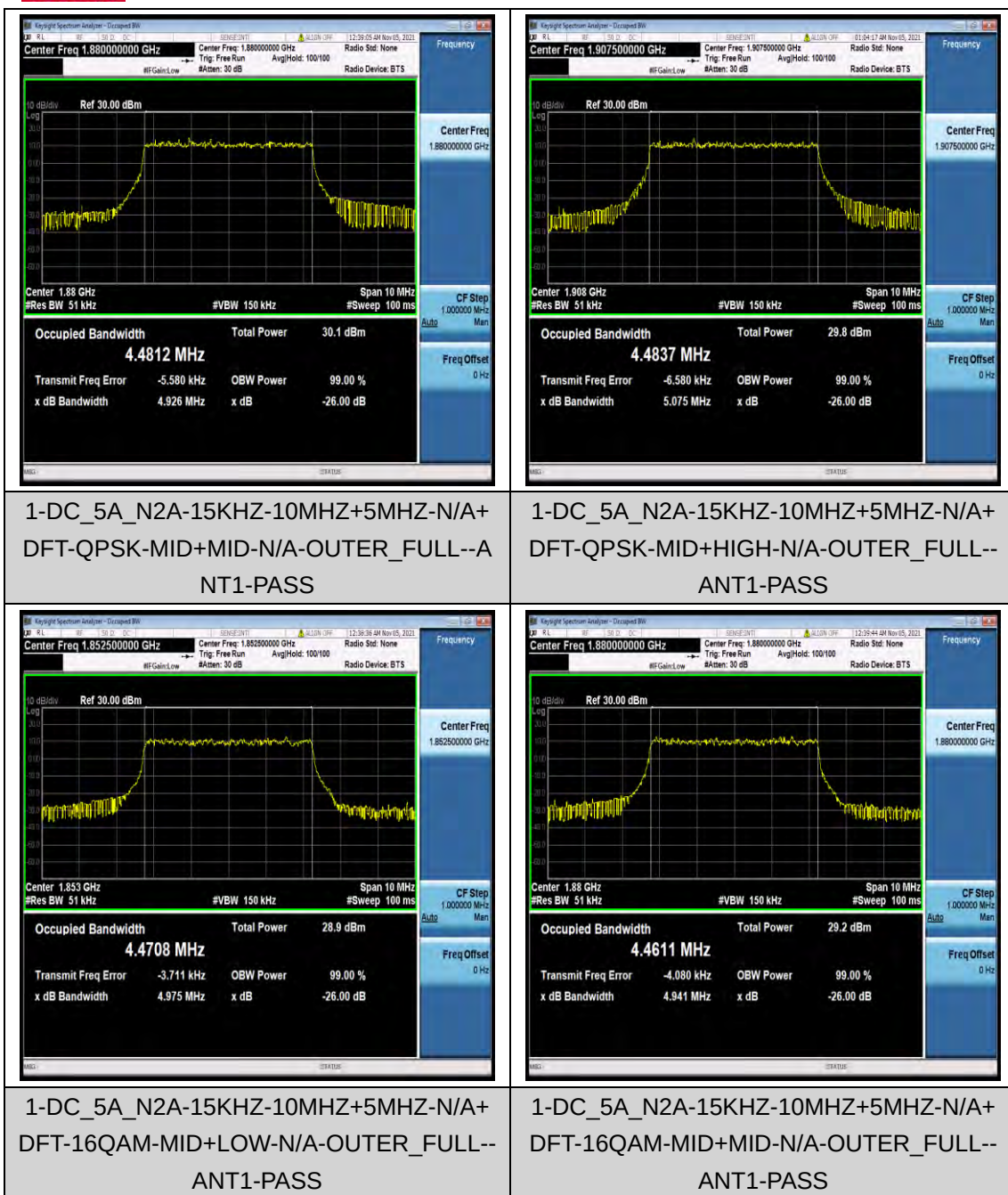
2A		MHZ	SK		ULL			
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-QP SK	MID	OUTER_F ULL	8.9172	9.862	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-QP SK	HIGH	OUTER_F ULL	8.9225	9.562	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-16 QAM	LOW	OUTER_F ULL	8.9386	9.605	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-16 QAM	MID	OUTER_F ULL	8.9303	9.637	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-16 QAM	HIGH	OUTER_F ULL	8.9228	9.639	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-64 QAM	LOW	OUTER_F ULL	8.9089	9.525	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-64 QAM	MID	OUTER_F ULL	8.9243	9.658	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-64 QAM	HIGH	OUTER_F ULL	8.9249	9.662	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-25 6QAM	LOW	OUTER_F ULL	8.8939	9.477	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-25 6QAM	MID	OUTER_F ULL	8.9113	9.520	PASS
DC_5A_N 2A	15KHZ	5MHZ+10 MHZ	N/A+DFT-25 6QAM	HIGH	OUTER_F ULL	8.9046	9.548	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-PI2 BPSK	LOW	OUTER_F ULL	13.394	14.29	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-PI2 BPSK	MID	OUTER_F ULL	13.420	14.28	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-PI2 BPSK	HIGH	OUTER_F ULL	13.409	14.30	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-QP SK	LOW	OUTER_F ULL	13.393	14.21	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-QP SK	MID	OUTER_F ULL	13.406	14.34	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-QP SK	HIGH	OUTER_F ULL	13.415	14.31	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-16 QAM	LOW	OUTER_F ULL	13.407	14.25	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-16 QAM	MID	OUTER_F ULL	13.413	14.27	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-16 QAM	HIGH	OUTER_F ULL	13.419	14.43	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-64 QAM	LOW	OUTER_F ULL	13.406	14.21	PASS

DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-64 QAM	MID	OUTER_F ULL	13.400	14.23	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-64 QAM	HIGH	OUTER_F ULL	13.408	14.22	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-25 6QAM	LOW	OUTER_F ULL	13.44.0	14.11	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-25 6QAM	MID	OUTER_F ULL	13.428	14.36	PASS
DC_5A_N 2A	15KHZ	5MHZ+15 MHZ	N/A+DFT-25 6QAM	HIGH	OUTER_F ULL	13.407	14.23	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-PI2 BPSK	LOW	OUTER_F ULL	17.836	18.93	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-PI2 BPSK	MID	OUTER_F ULL	17.852	18.93	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-PI2 BPSK	HIGH	OUTER_F ULL	17.842	18.96	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-QP SK	LOW	OUTER_F ULL	17.829	18.90	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-QP SK	MID	OUTER_F ULL	17.869	18.96	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-QP SK	HIGH	OUTER_F ULL	17.849	18.90	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-16 QAM	LOW	OUTER_F ULL	17.822	18.81	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-16 QAM	MID	OUTER_F ULL	17.853	18.82	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-16 QAM	HIGH	OUTER_F ULL	17.846	18.80	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-64 QAM	LOW	OUTER_F ULL	17.842	18.83	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-64 QAM	MID	OUTER_F ULL	17.838	18.88	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-64 QAM	HIGH	OUTER_F ULL	17.840	18.88	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-25 6QAM	LOW	OUTER_F ULL	17.789	18.66	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-25 6QAM	MID	OUTER_F ULL	17.816	18.72	PASS
DC_5A_N 2A	15KHZ	5MHZ+20 MHZ	N/A+DFT-25 6QAM	HIGH	OUTER_F ULL	17.817	18.74	PASS



2.1.2 TEST GRAPHS

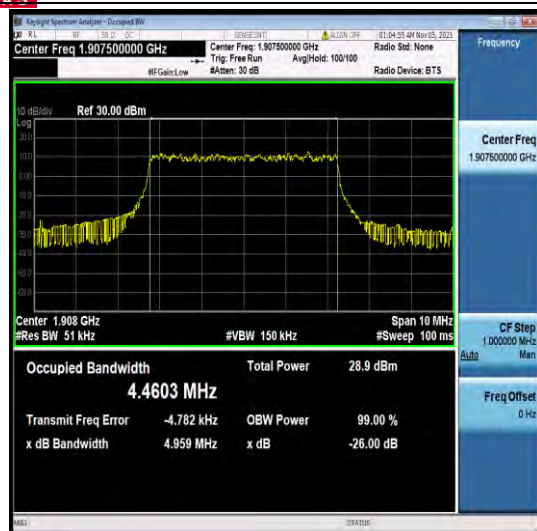




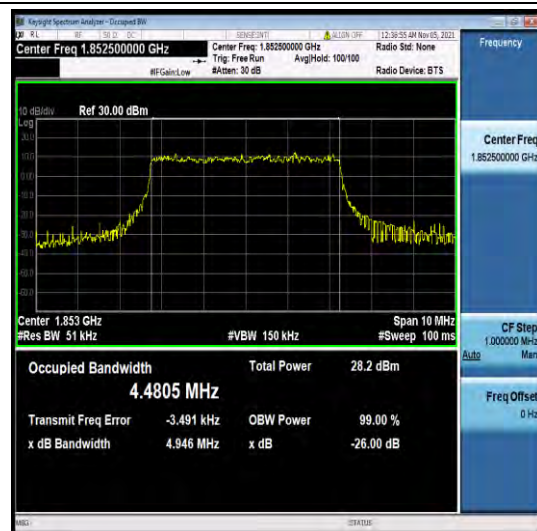


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1-DC_5A_N2A-15KHZ-10MHZ+5MHZ-N/A+
DFT-16QAM-MID+HIGH-N/A-OUTER_FULL--
-ANT1-PASS



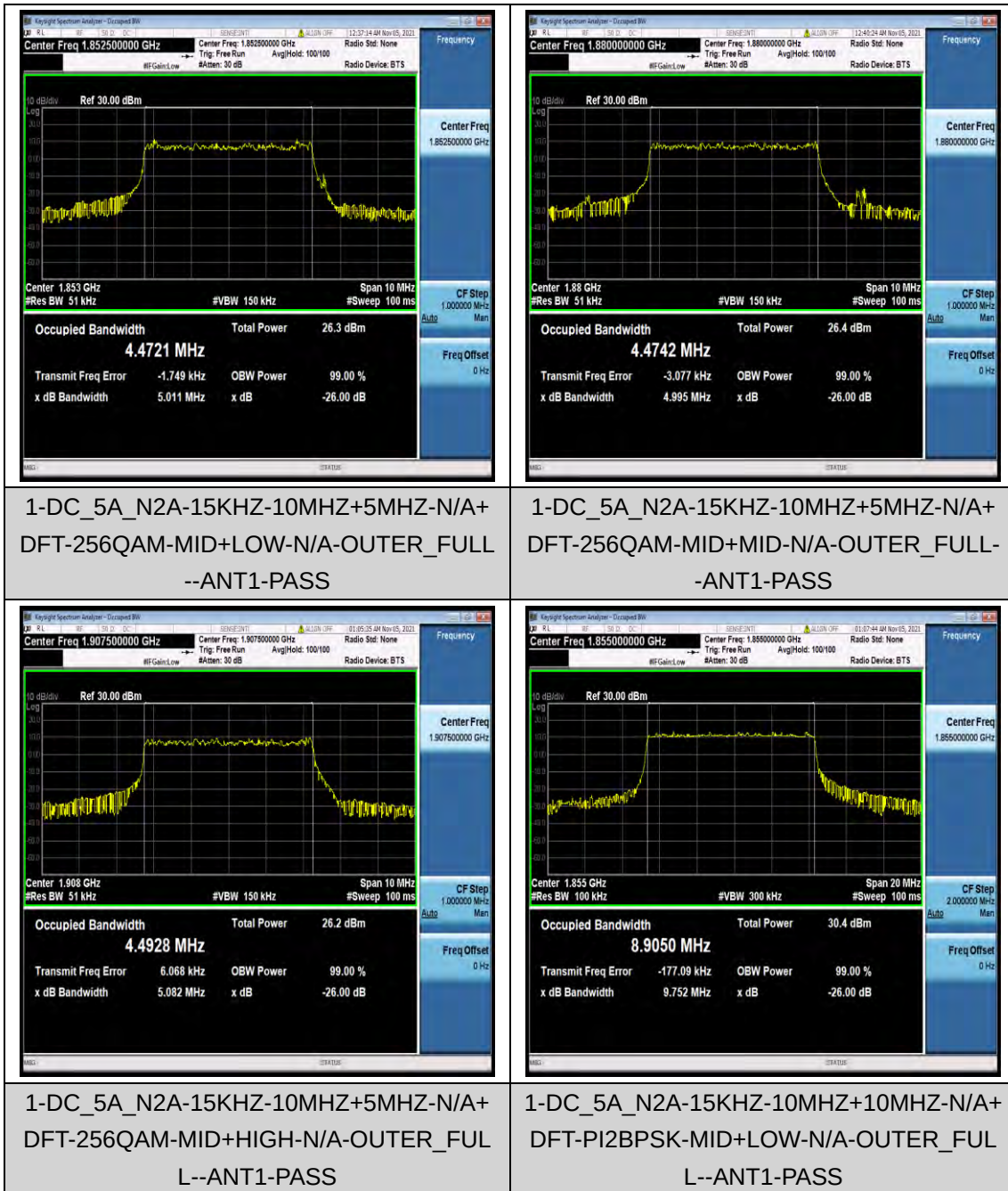
1-DC_5A_N2A-15KHZ-10MHZ+5MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
-ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+5MHZ-N/A+
DFT-64QAM-MID+MID-N/A-OUTER_FULL--
-ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+5MHZ-N/A+
DFT-64QAM-MID+HIGH-N/A-OUTER_FULL--
-ANT1-PASS



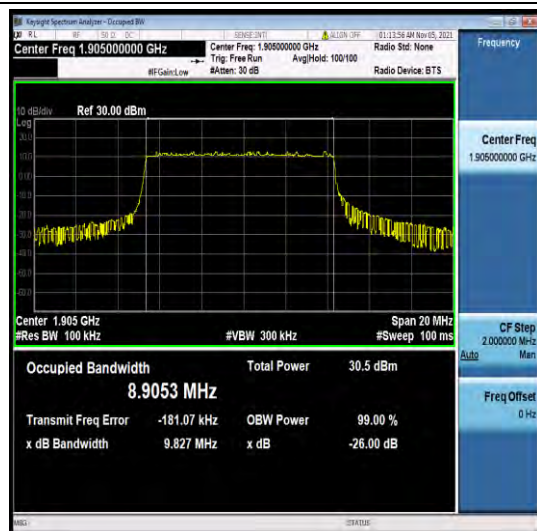


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Test Report No.: W7L-P20210616-3RF05



1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-PI2BPSK-MID+MID-N/A-OUTER_FULL-
-ANT1-PASS



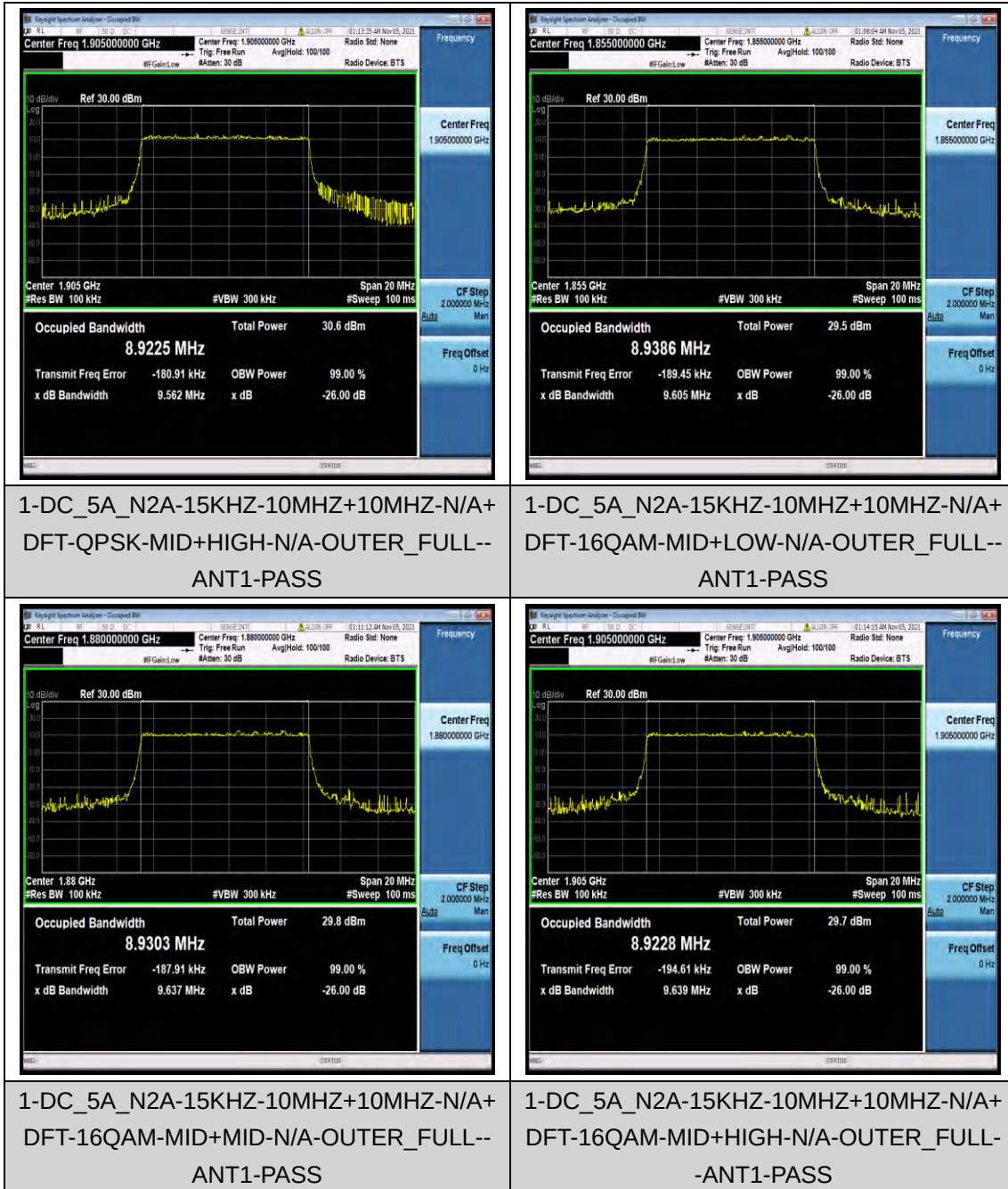
1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-PI2BPSK-MID+HIGH-N/A-OUTER_FUL
L--ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-QPSK-MID+LOW-N/A-OUTER_FULL--A
NT1-PASS



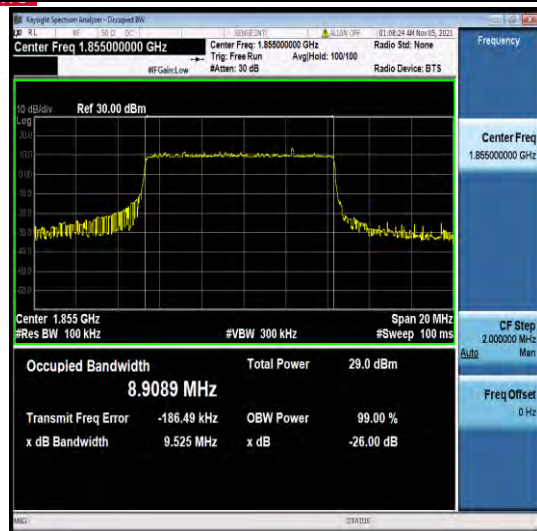
1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-QPSK-MID+MID-N/A-OUTER_FULL--A
NT1-PASS



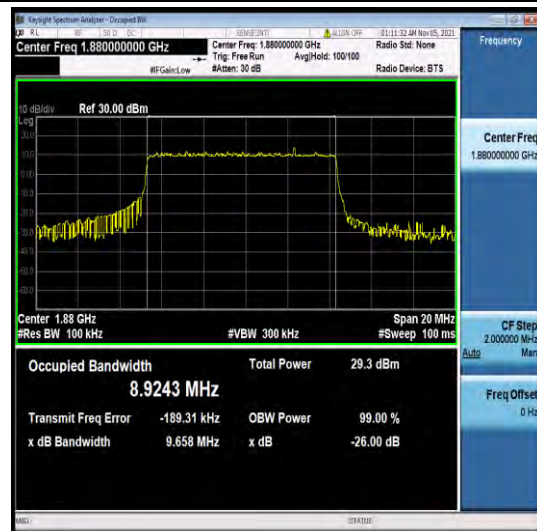


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Test Report No.: W7L-P20210616-3RF05



1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



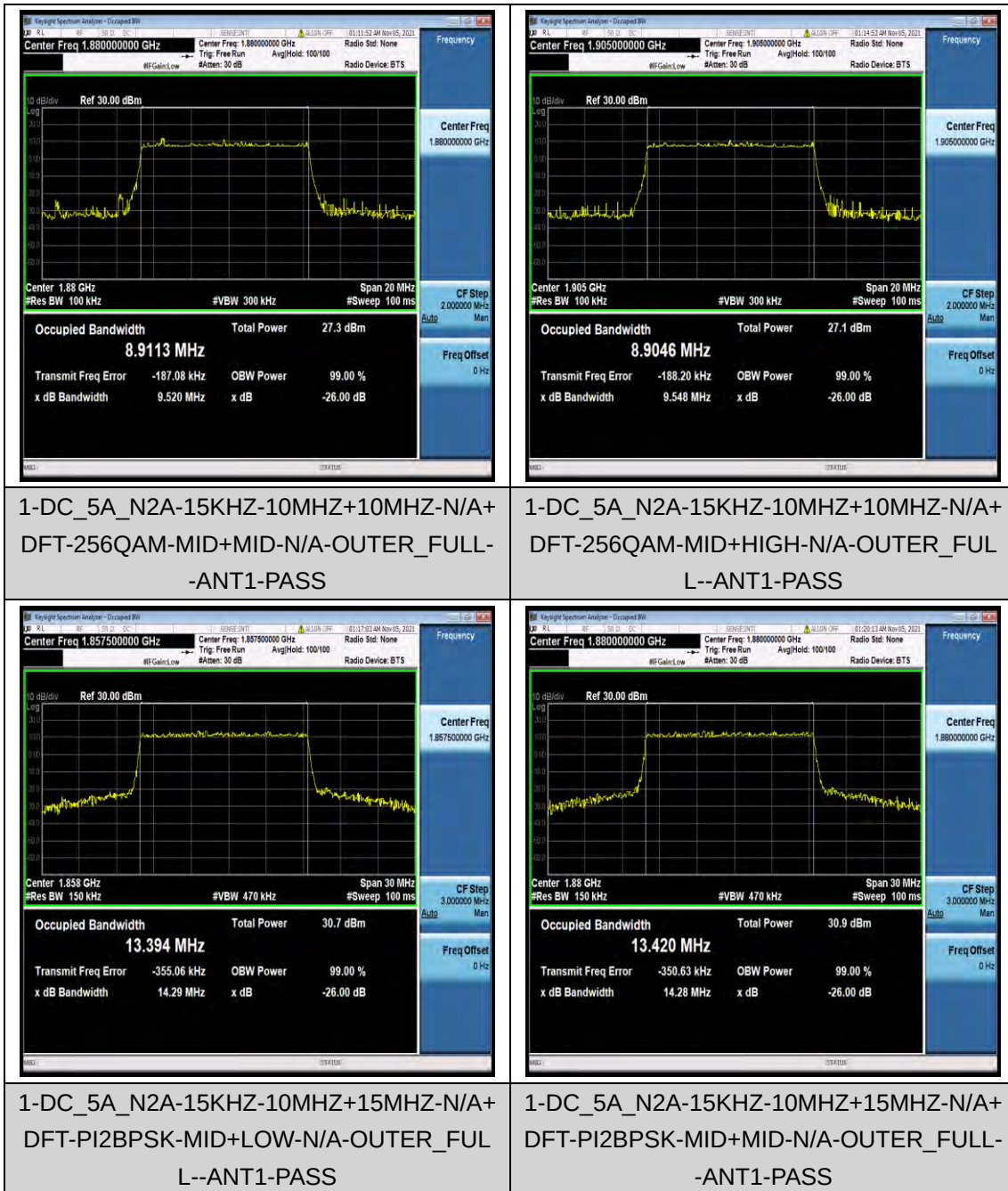
1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-64QAM-MID+MID-N/A-OUTER_FULL--
ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-64QAM-MID+HIGH-N/A-OUTER_FULL--
ANT1-PASS



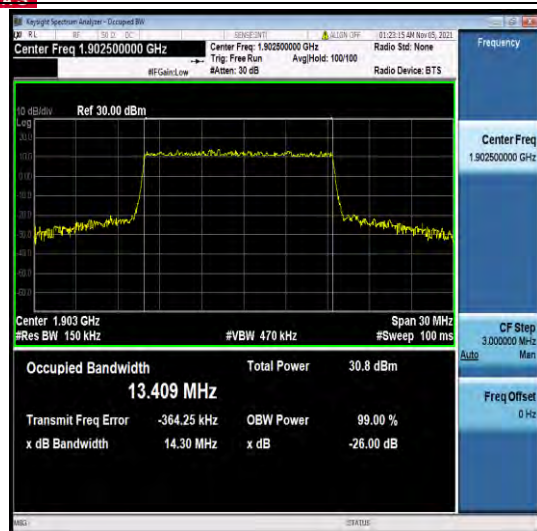
1-DC_5A_N2A-15KHZ-10MHZ+10MHZ-N/A+
DFT-256QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



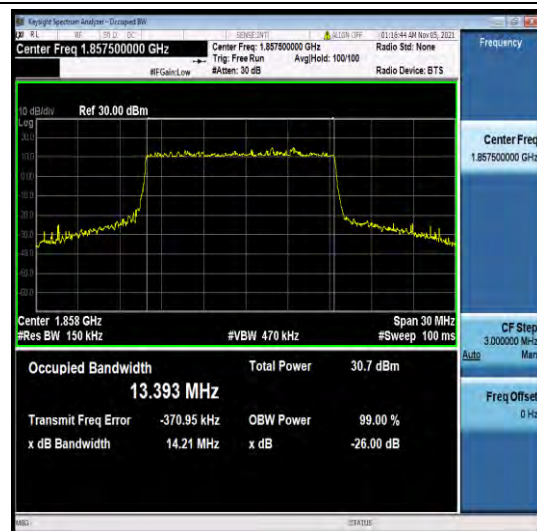


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Test Report No.: W7L-P20210616-3RF05



1-DC_5A_N2A-15KHZ-10MHZ+15MHZ-N/A+
DFT-PI2BPSK-MID+HIGH-N/A-OUTER_FULL
L--ANT1-PASS



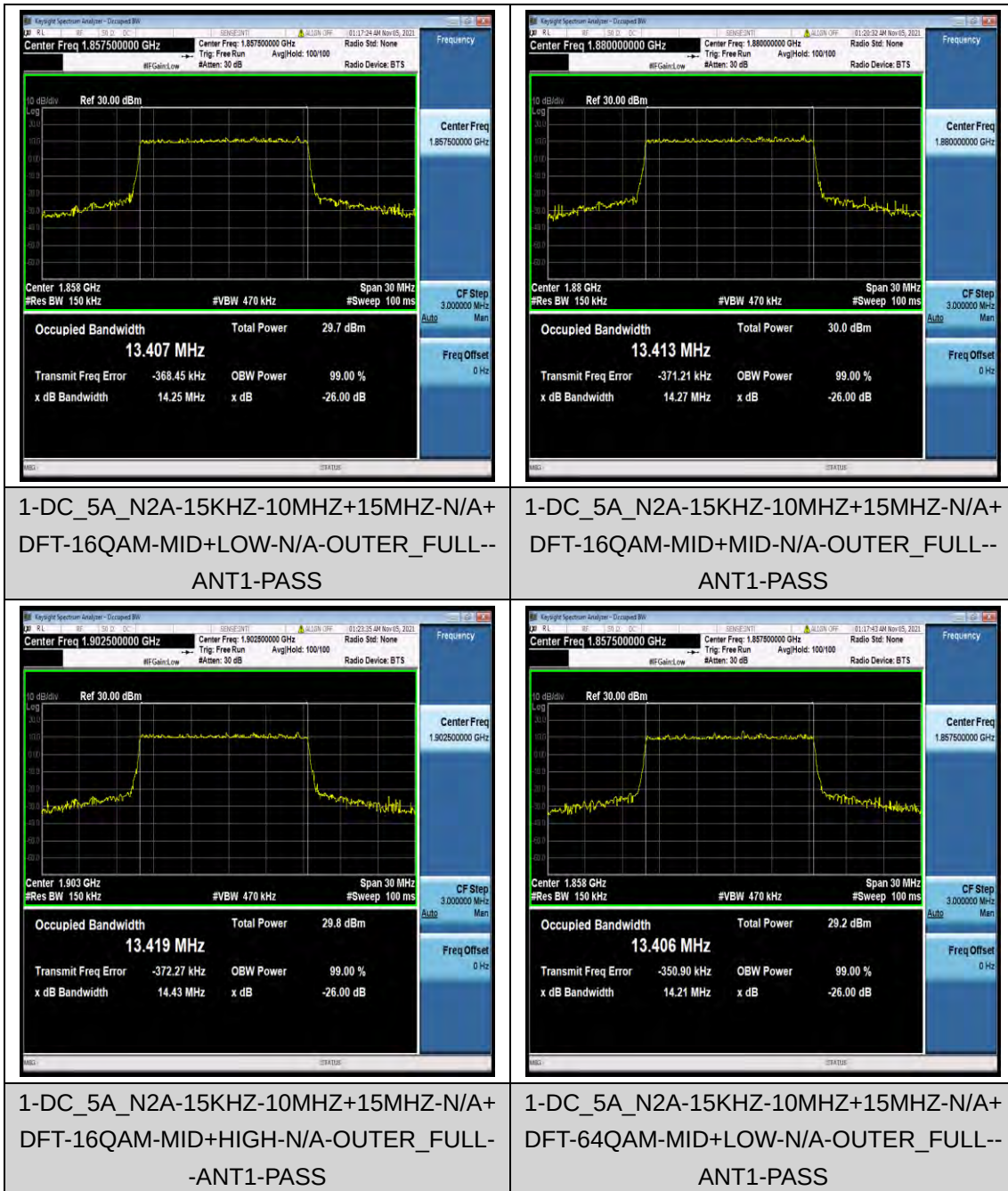
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DFT-QPSK-MID+LOW-N/A-OUTER_FULL--A
NT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+15MHZ-N/A+
DFT-QPSK-MID+MID-N/A-OUTER_FULL--A
NT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+15MHZ-N/A+
DFT-QPSK-MID+HIGH-N/A-OUTER_FULL--
ANT1-PASS





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Test Report No.: W7L-P20210616-3RF05



1-DC_5A_N2A-15KHZ-10MHZ+15MHZ-N/A+
DFT-64QAM-MID+MID-N/A-OUTER_FULL--
ANT1-PASS



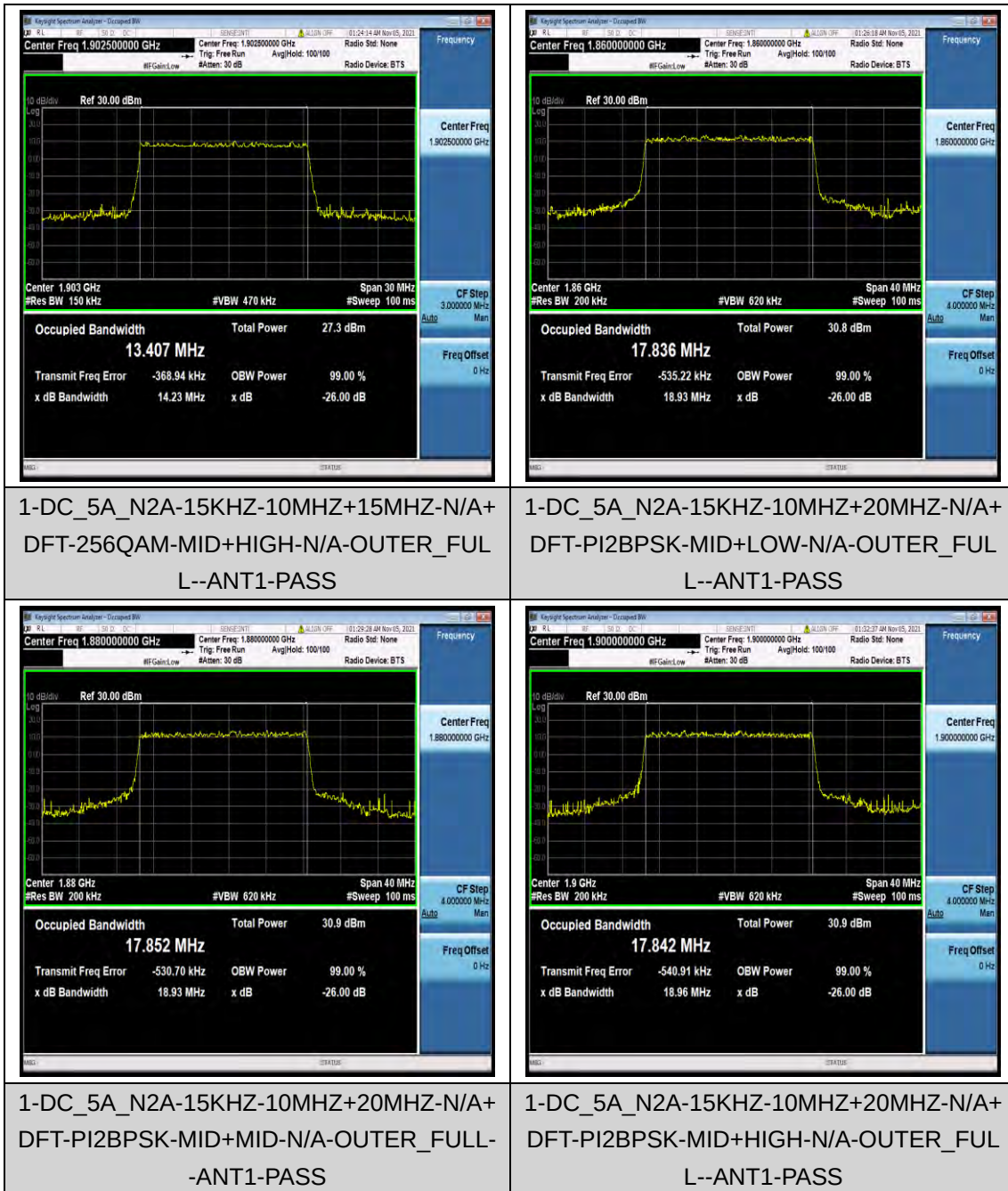
1-DC_5A_N2A-15KHZ-10MHZ+15MHZ-N/A+
DFT-64QAM-MID+HIGH-N/A-OUTER_FULL-
ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+15MHZ-N/A+
DFT-256QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



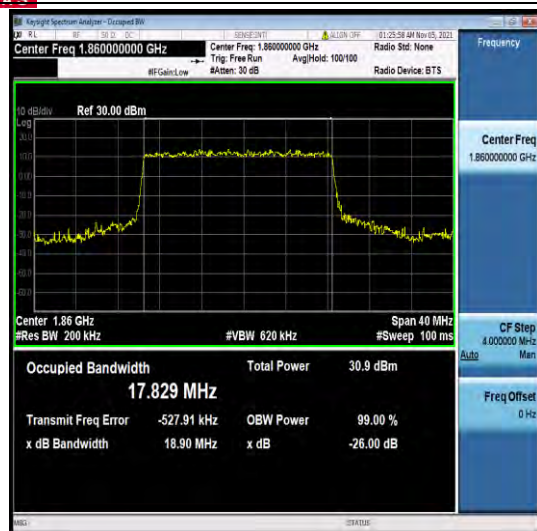
1-DC_5A_N2A-15KHZ-10MHZ+15MHZ-N/A+
DFT-256QAM-MID+MID-N/A-OUTER_FULL-
ANT1-PASS





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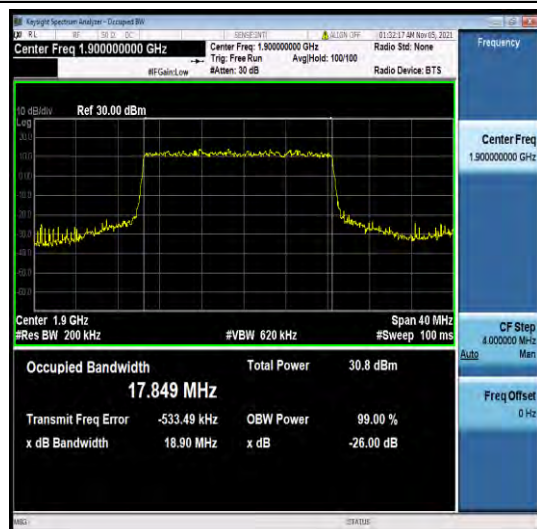
Test Report No.: W7L-P20210616-3RF05



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-QPSK-MID+LOW-N/A-OUTER_FULL--A
NT1-PASS



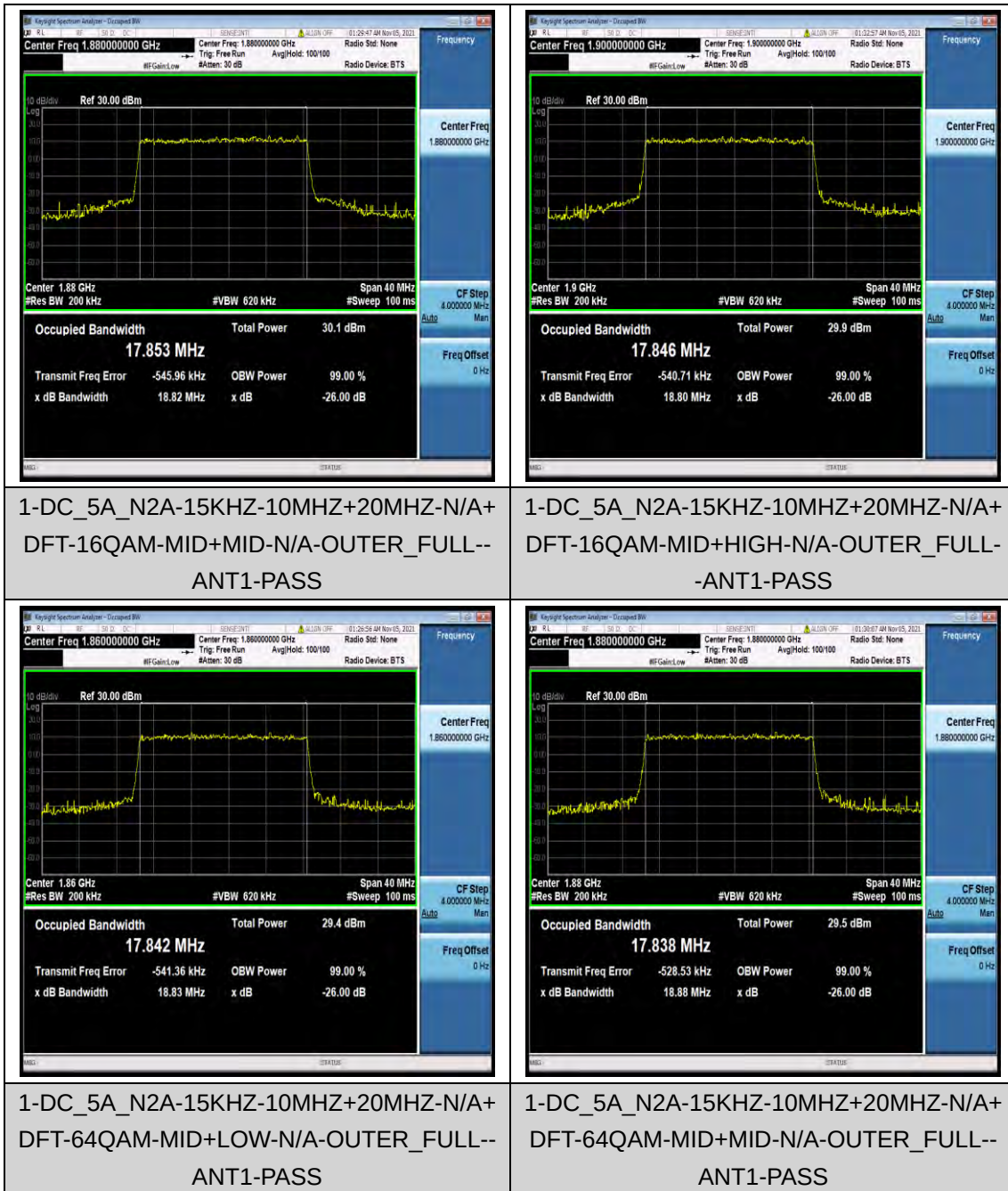
1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-QPSK-MID+MID-N/A-OUTER_FULL--A
NT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-QPSK-MID+HIGH-N/A-OUTER_FULL--
ANT1-PASS



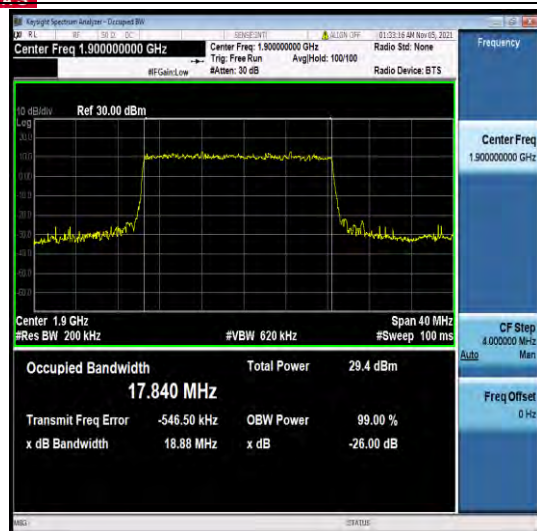
1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-16QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS





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Test Report No.: W7L-P20210616-3RF05



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-64QAM-MID+HIGH-N/A-OUTER_FULL-
-ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-256QAM-MID+LOW-N/A-OUTER_FULL
--ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-256QAM-MID+MID-N/A-OUTER_FULL-
-ANT1-PASS



1-DC_5A_N2A-15KHZ-10MHZ+20MHZ-N/A+
DFT-256QAM-MID+HIGH-N/A-OUTER_FUL
L--ANT1-PASS

2.2 ENDC_66A_N5A

2.2.1 TEST RESULT

BAND	SCS	BANDWIDTH	MODULATION	CHANNEL	RB CONFIG	RESULT (99%)	RESULT (26DB)	VERDICT
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-PI2 BPSK	MID+LOW	OUTER_F ULL	4.4706	5.056	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-PI2 BPSK	MID+MID	OUTER_F ULL	4.4761	4.983	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-PI2 BPSK	MID+HIGH	OUTER_F ULL	4.4669	4.981	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-QPSK	MID+LOW	OUTER_F ULL	4.4790	5.061	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-QPSK	MID+MID	OUTER_F ULL	4.4716	4.939	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-QPSK	MID+HIGH	OUTER_F ULL	4.4826	5.044	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-16 QAM	MID+LOW	OUTER_F ULL	4.4639	4.965	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-16 QAM	MID+MID	OUTER_F ULL	4.4608	4.944	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-16 QAM	MID+HIGH	OUTER_F ULL	4.4676	5.013	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-64 QAM	MID+LOW	OUTER_F ULL	4.4856	5.010	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-64 QAM	MID+MID	OUTER_F ULL	4.4830	4.934	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-64 QAM	MID+HIGH	OUTER_F ULL	4.4979	5.042	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-25 6QAM	MID+LOW	OUTER_F ULL	4.4786	5.067	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-25 6QAM	MID+MID	OUTER_F ULL	4.4677	4.889	PASS
DC_66A_N5A	15KHZ	20MHZ+5 MHZ	N/A+DFT-25 6QAM	MID+HIGH	OUTER_F ULL	4.4930	5.080	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-PI2 BPSK	MID+LOW	OUTER_F ULL	8.9011	9.643	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-PI2 BPSK	MID+MID	OUTER_F ULL	8.9038	9.624	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-PI2 BPSK	MID+HIGH	OUTER_F ULL	8.9069	9.677	PASS

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DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-QPSK	MID+LOW	OUTER_FULL	8.9134	9.576	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-QPSK	MID+MID	OUTER_FULL	8.9188	9.605	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-QPSK	MID+HIGH	OUTER_FULL	8.9041	9.648	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-16QAM	MID+LOW	OUTER_FULL	8.9307	9.579	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-16QAM	MID+MID	OUTER_FULL	8.9294	9.597	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-16QAM	MID+HIGH	OUTER_FULL	8.9390	9.694	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-64QAM	MID+LOW	OUTER_FULL	8.9273	9.718	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-64QAM	MID+MID	OUTER_FULL	8.9157	9.687	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-64QAM	MID+HIGH	OUTER_FULL	8.94.03	9.664	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-256QAM	MID+LOW	OUTER_FULL	8.914.0	9.598	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-256QAM	MID+MID	OUTER_FULL	8.9045	9.431	PASS
DC_66A_N5A	15KHZ	20MHZ+10MHZ	N/A+DFT-256QAM	MID+HIGH	OUTER_FULL	8.9058	9.406	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-PI2BPSK	MID+LOW	OUTER_FULL	13.379	14.20	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-PI2BPSK	MID+MID	OUTER_FULL	13.379	14.29	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-PI2BPSK	MID+HIGH	OUTER_FULL	13.375	14.19	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-QPSK	MID+LOW	OUTER_FULL	13.403	14.37	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-QPSK	MID+MID	OUTER_FULL	13.416	14.27	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-QPSK	MID+HIGH	OUTER_FULL	13.395	14.35	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-16QAM	MID+LOW	OUTER_FULL	13.408	14.37	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-16QAM	MID+MID	OUTER_FULL	13.413	14.32	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-16QAM	MID+HIGH	OUTER_FULL	13.385	14.24	PASS
DC_66A_N5A	15KHZ	20MHZ+15MHZ	N/A+DFT-64QAM	MID+LOW	OUTER_FULL	13.398	14.20	PASS

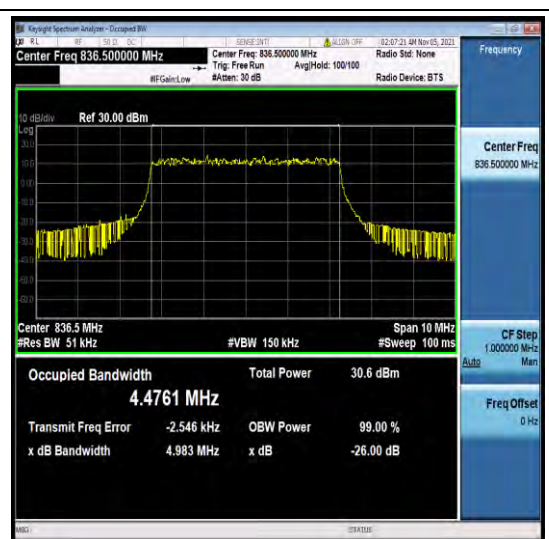
N5A		5MHZ	QAM		ULL			
DC_66A_N5A	15KHZ	20MHZ+1 5MHZ	N/A+DFT-64 QAM	MID+MID	OUTER_F ULL	13.402	14.20	PASS
DC_66A_N5A	15KHZ	20MHZ+1 5MHZ	N/A+DFT-64 QAM	MID+HIGH	OUTER_F ULL	13.389	14.28	PASS
DC_66A_N5A	15KHZ	20MHZ+1 5MHZ	N/A+DFT-25 6QAM	MID+LOW	OUTER_F ULL	13.408	14.23	PASS
DC_66A_N5A	15KHZ	20MHZ+1 5MHZ	N/A+DFT-25 6QAM	MID+MID	OUTER_F ULL	13.44.0	14.17	PASS
DC_66A_N5A	15KHZ	20MHZ+1 5MHZ	N/A+DFT-25 6QAM	MID+HIGH	OUTER_F ULL	13.409	14.16	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-PI2 BPSK	MID+LOW	OUTER_F ULL	17.837	18.94	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-PI2 BPSK	MID+MID	OUTER_F ULL	17.817	18.95	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-PI2 BPSK	MID+HIGH	OUTER_F ULL	17.84.0	18.86	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-QP SK	MID+LOW	OUTER_F ULL	17.799	18.79	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-QP SK	MID+MID	OUTER_F ULL	17.827	18.91	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-QP SK	MID+HIGH	OUTER_F ULL	17.798	18.82	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-16 QAM	MID+LOW	OUTER_F ULL	17.832	18.79	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-16 QAM	MID+MID	OUTER_F ULL	17.837	18.78	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-16 QAM	MID+HIGH	OUTER_F ULL	17.830	18.82	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-64 QAM	MID+LOW	OUTER_F ULL	17.836	18.81	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-64 QAM	MID+MID	OUTER_F ULL	17.813	18.81	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-64 QAM	MID+HIGH	OUTER_F ULL	17.831	18.82	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-25 6QAM	MID+LOW	OUTER_F ULL	17.799	18.77	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-25 6QAM	MID+MID	OUTER_F ULL	17.793	18.60	PASS
DC_66A_N5A	15KHZ	20MHZ+2 0MHZ	N/A+DFT-25 6QAM	MID+HIGH	OUTER_F ULL	17.802	18.79	PASS



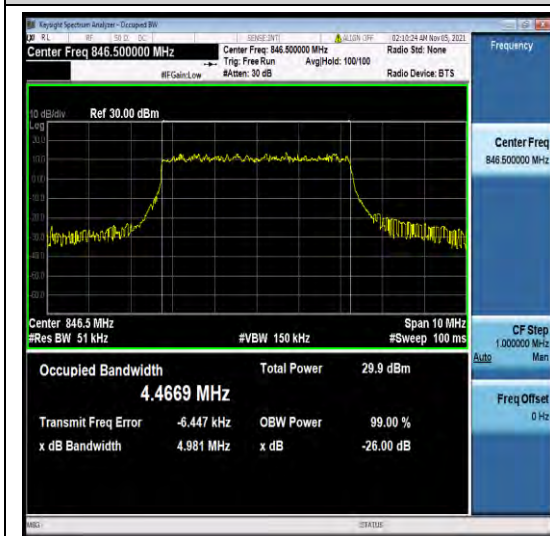
2.2.2 TEST GRAPHS



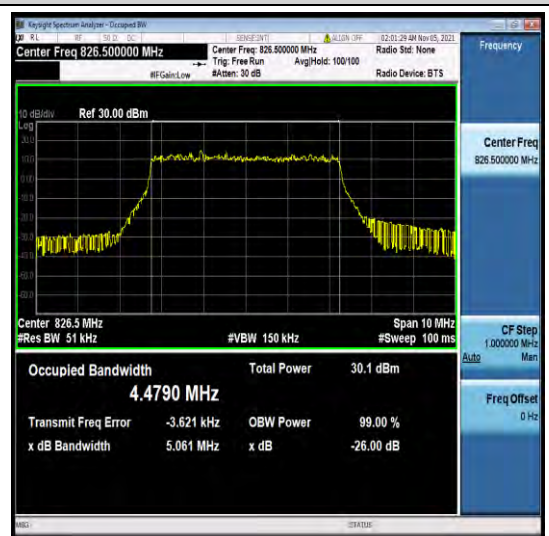
1-DC_66A_N5A-15KHZ-20MHZ+5MHZ-N/A+
DFT-PI2BPSK-MID+LOW-N/A-OUTER_FUL
L--ANT1-PASS



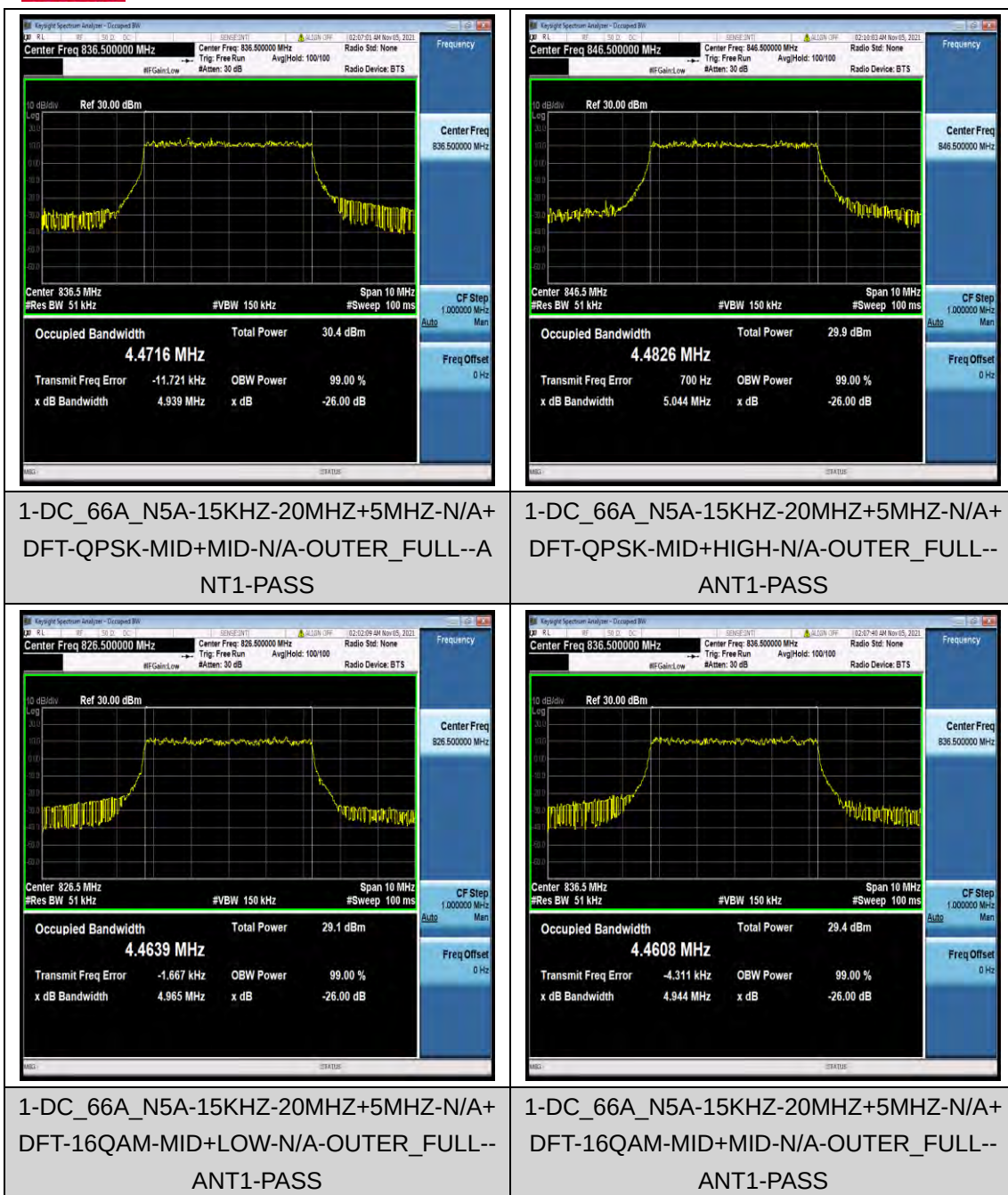
1-DC_66A_N5A-15KHZ-20MHZ+5MHZ-N/A+
DFT-PI2BPSK-MID+MID-N/A-OUTER_FULL-
-ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+5MHZ-N/A+
DFT-PI2BPSK-MID+HIGH-N/A-OUTER_FUL
L--ANT1-PASS



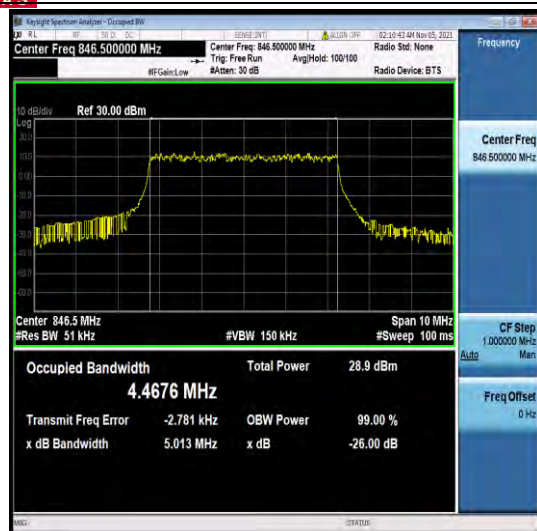
1-DC_66A_N5A-15KHZ-20MHZ+5MHZ-N/A+
DFT-QPSK-MID+LOW-N/A-OUTER_FULL--A
NT1-PASS



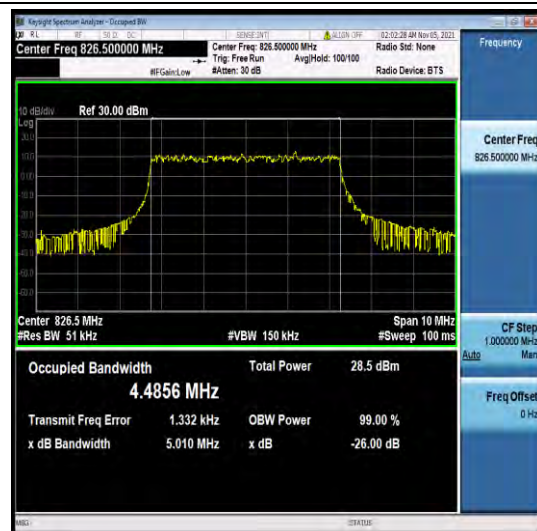


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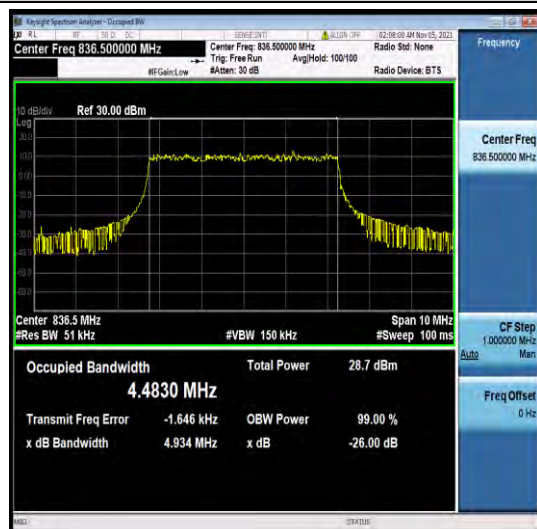
Test Report No.: W7L-P20210616-3RF05



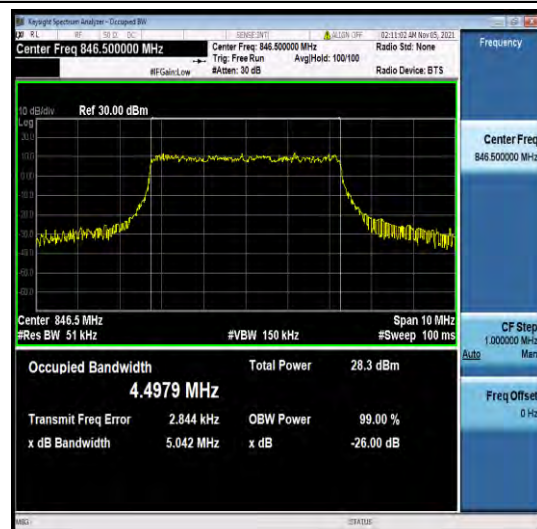
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DFT-16QAM-MID+HIGH-N/A-OUTER_FULL-
-ANT1-PASS



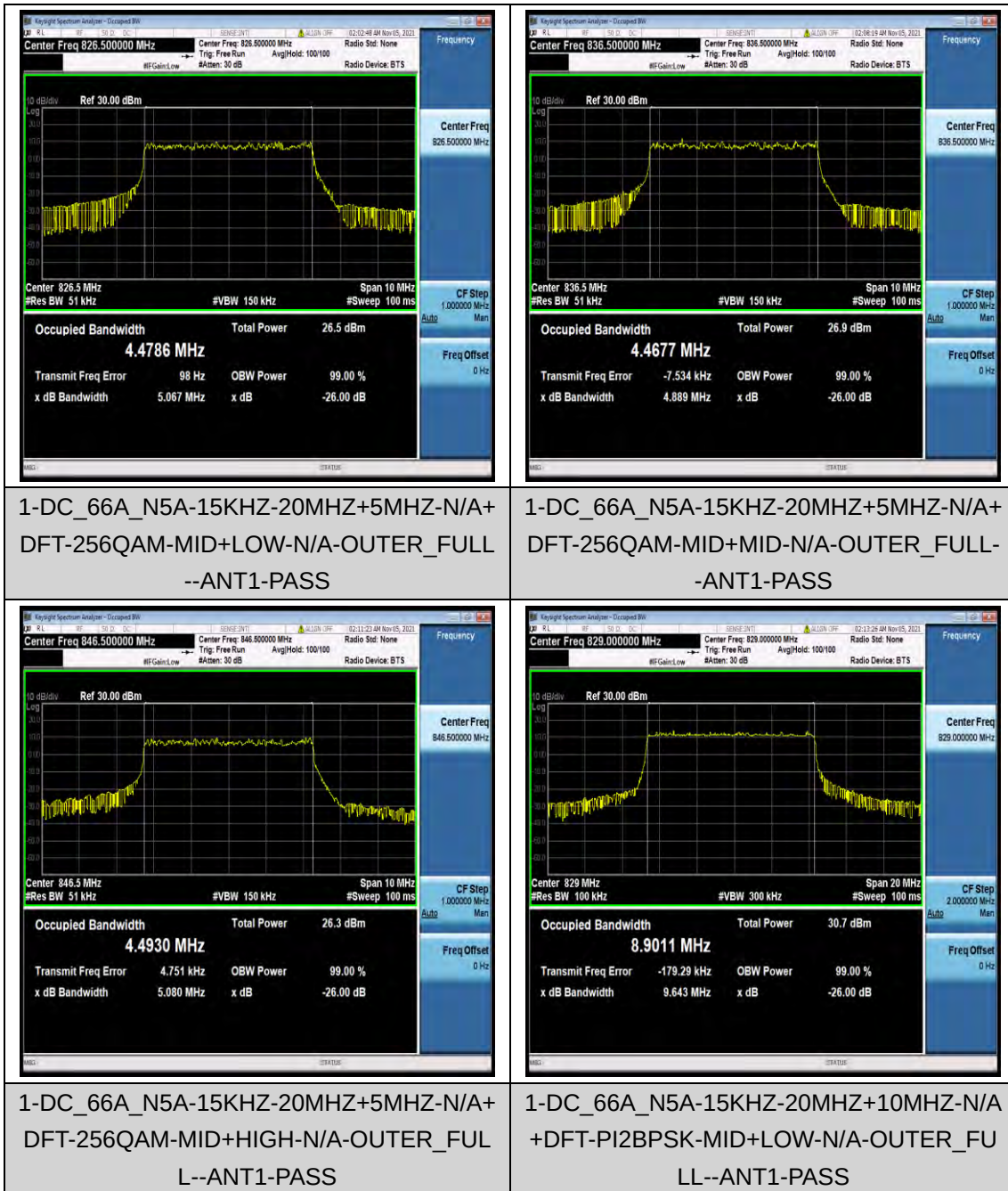
1-DC_66A_N5A-15KHZ-20MHZ+5MHZ-N/A+
DFT-64QAM-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+5MHZ-N/A+
DFT-64QAM-MID+MID-N/A-OUTER_FULL--
ANT1-PASS



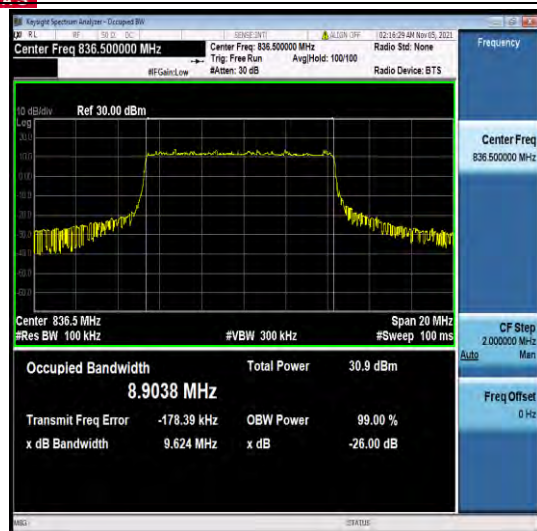
1-DC_66A_N5A-15KHZ-20MHZ+5MHZ-N/A+
DFT-64QAM-MID+HIGH-N/A-OUTER_FULL-
-ANT1-PASS





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VERITAS

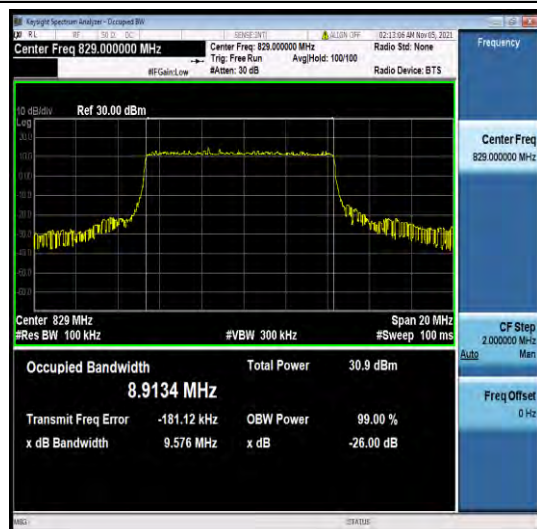
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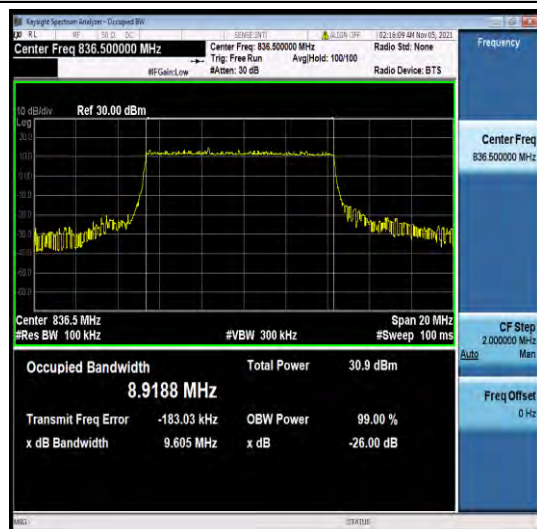
1-DC_66A_N5A-15KHZ-20MHZ+10MHZ-N/A
+DFT-PI2BPSK-MID+MID-N/A-OUTER_FULL--
ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+10MHZ-N/A
+DFT-PI2BPSK-MID+HIGH-N/A-OUTER_FULL--
ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+10MHZ-N/A
+DFT-QPSK-MID+LOW-N/A-OUTER_FULL--
ANT1-PASS



1-DC_66A_N5A-15KHZ-20MHZ+10MHZ-N/A
+DFT-QPSK-MID+MID-N/A-OUTER_FULL--
ANT1-PASS