

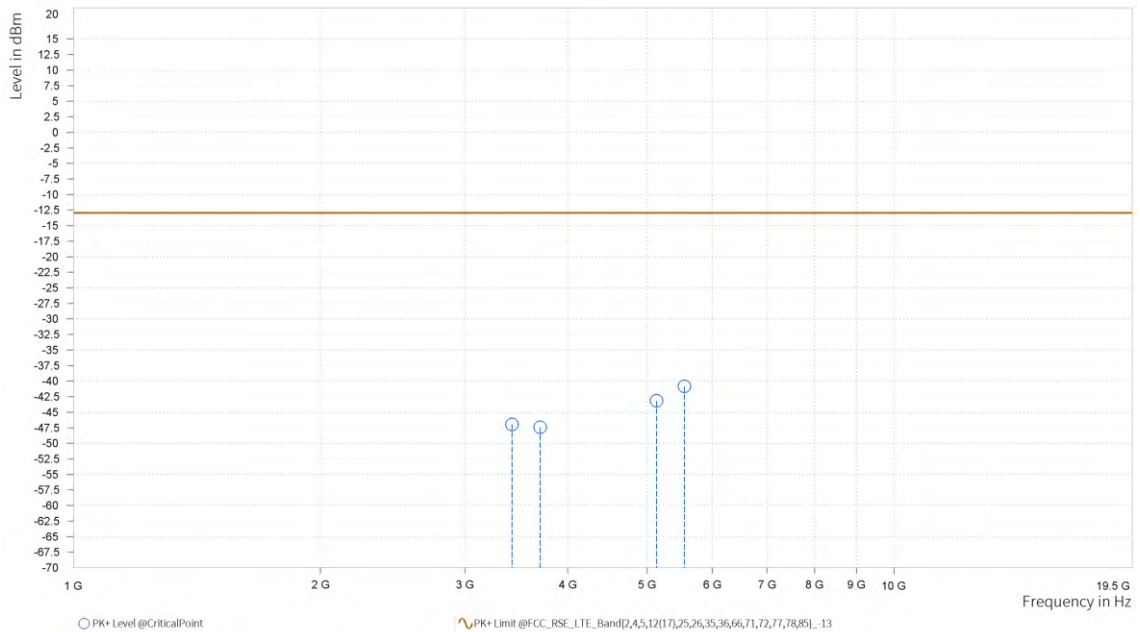


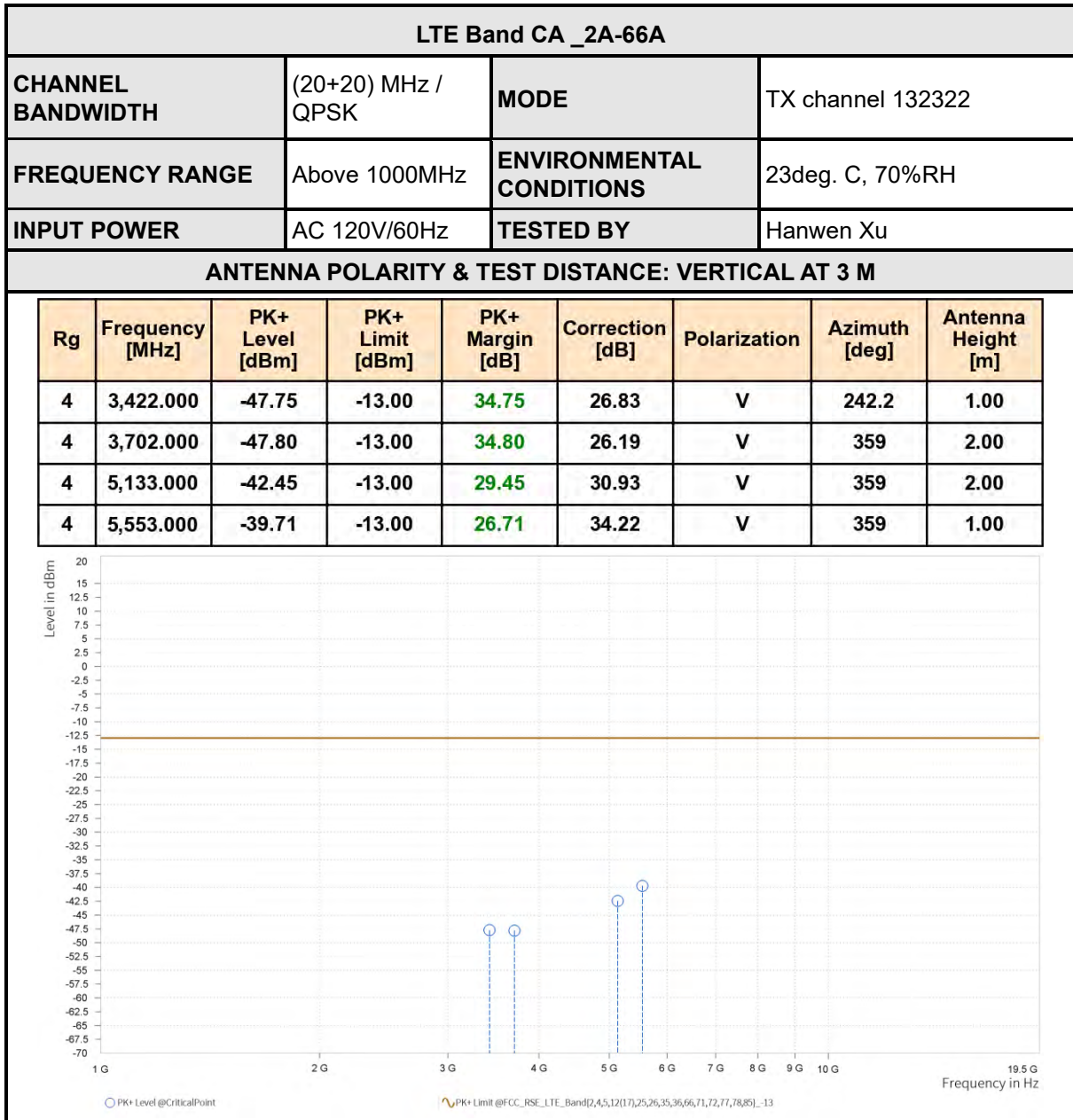
LTE Band CA_2A-66A

CHANNEL BANDWIDTH	(20+20) MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,422.000	-46.97	-13.00	33.97	27.03	H	249.4	1.00
4	3,702.000	-47.43	-13.00	34.43	26.37	H	249.4	1.00
4	5,133.000	-43.17	-13.00	30.17	31.06	H	249.4	1.00
4	5,553.000	-40.84	-13.00	27.84	34.48	H	1	1.00





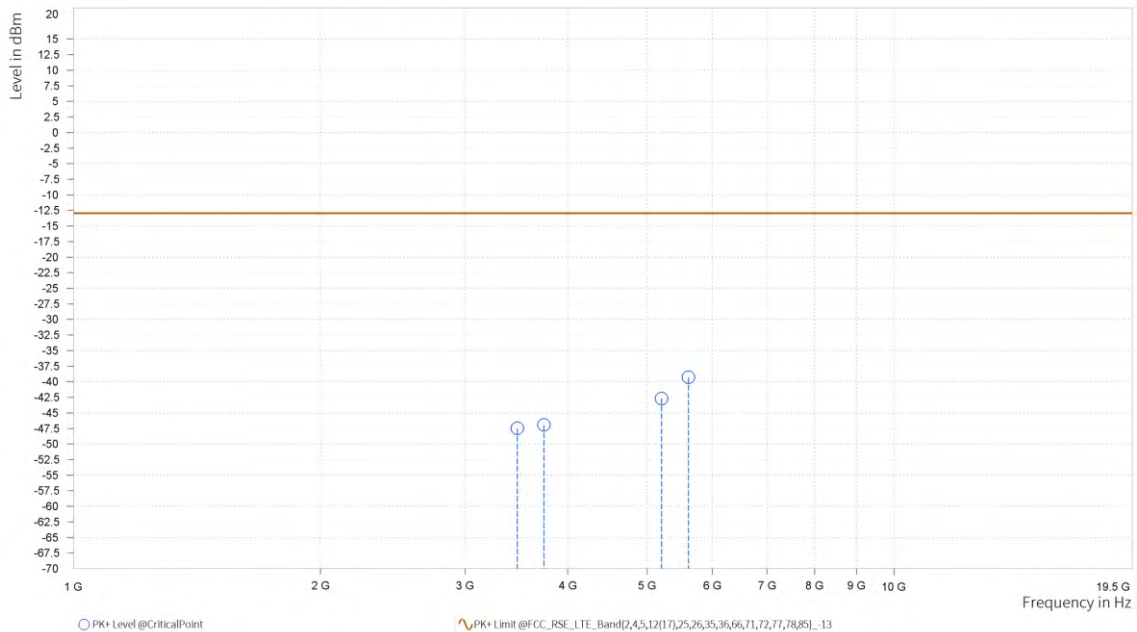


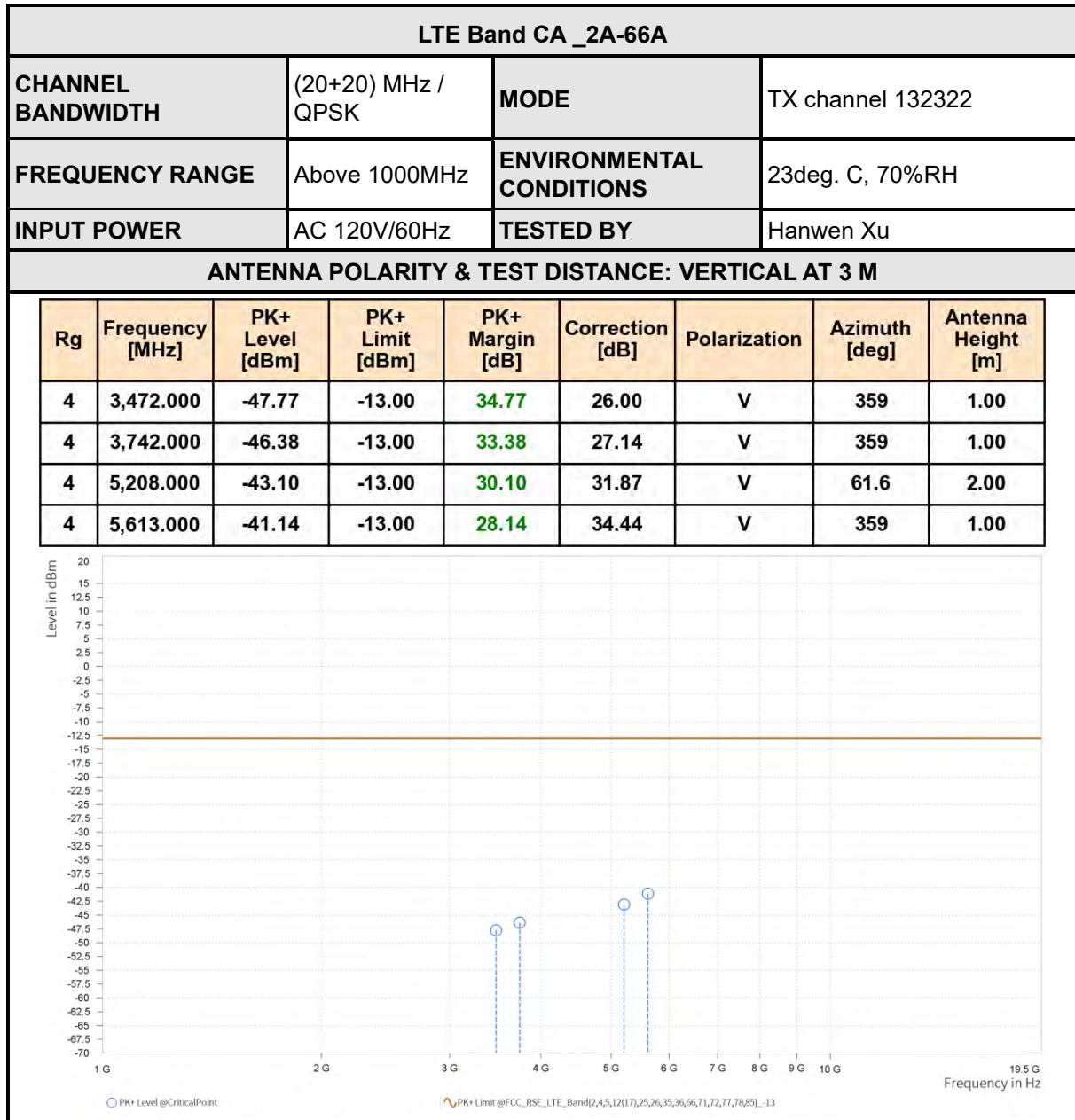
LTE Band CA_2A-66A

CHANNEL BANDWIDTH	(20+20) MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,472.000	-47.49	-13.00	34.49	26.27	H	359	1.00
4	3,742.000	-46.92	-13.00	33.92	27.41	H	241	1.00
4	5,208.000	-42.69	-13.00	29.69	31.90	H	359	1.00
4	5,613.000	-39.30	-13.00	26.30	34.70	H	1	2.00





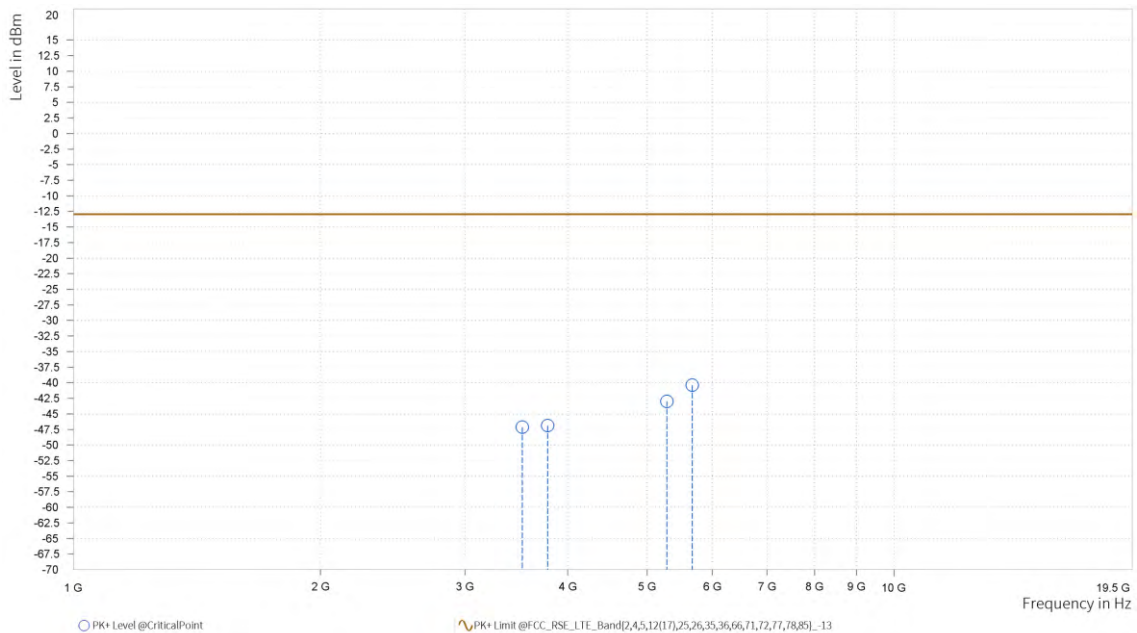


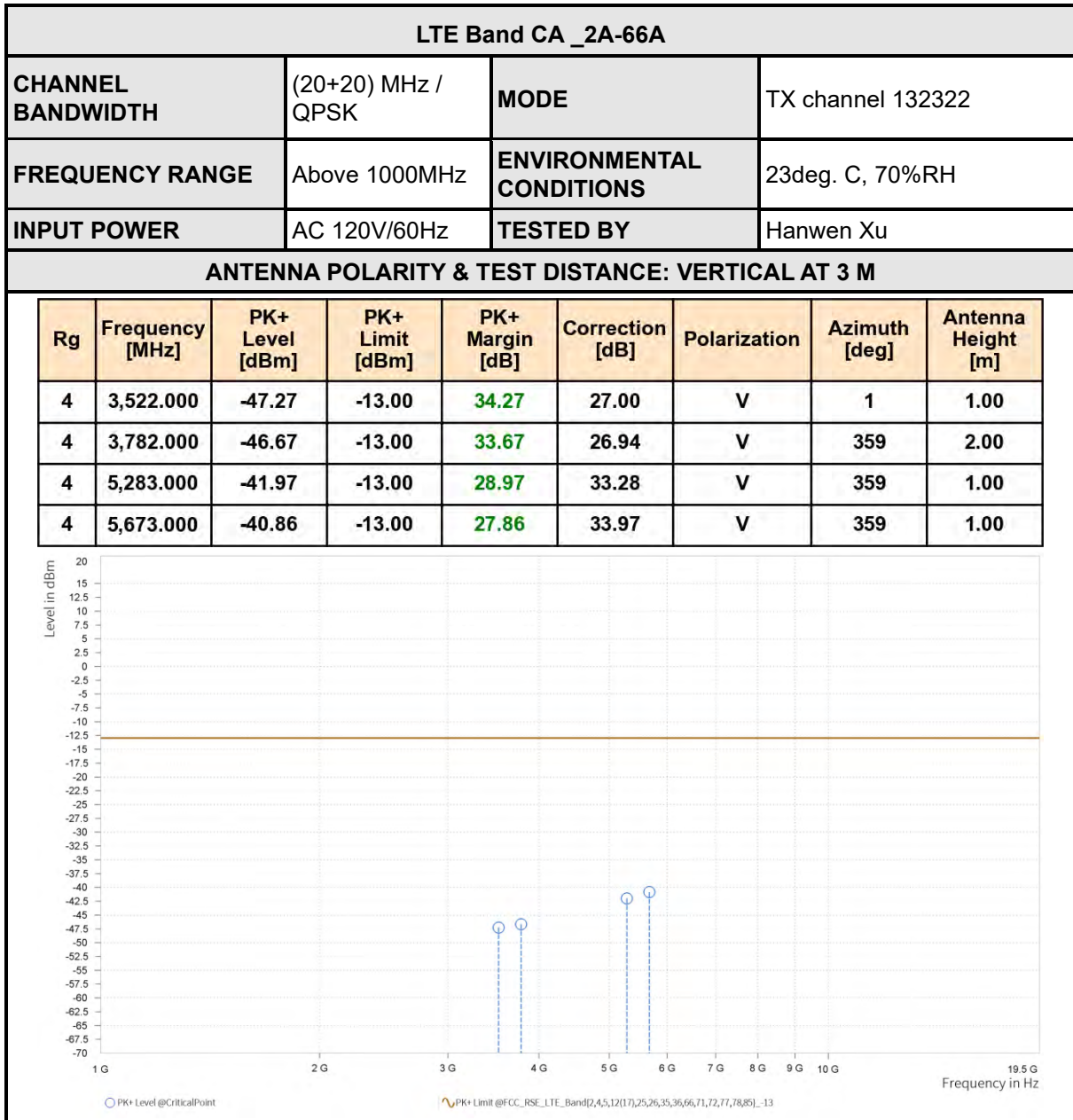
LTE Band CA_2A-66A

CHANNEL BANDWIDTH	(20+20) MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	3,522.000	-47.14	-13.00	34.14	27.14	H	359	1.00
4	3,782.000	-46.87	-13.00	33.87	27.26	H	359	1.00
4	5,283.000	-42.99	-13.00	29.99	33.37	H	1	2.00
4	5,673.000	-40.39	-13.00	27.39	34.24	H	359	1.00





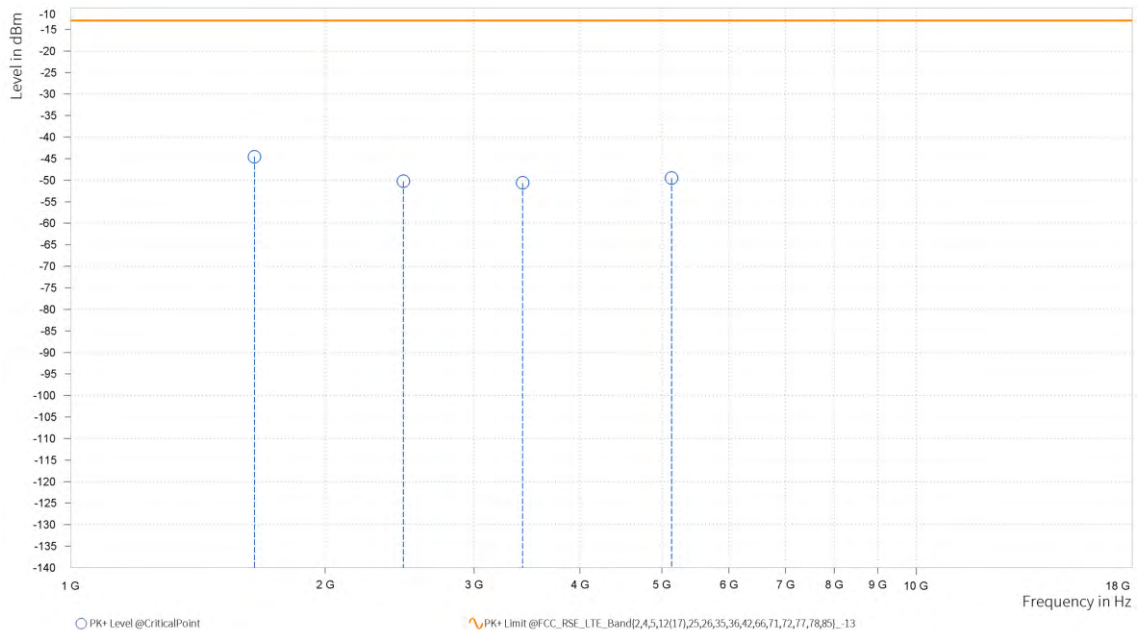


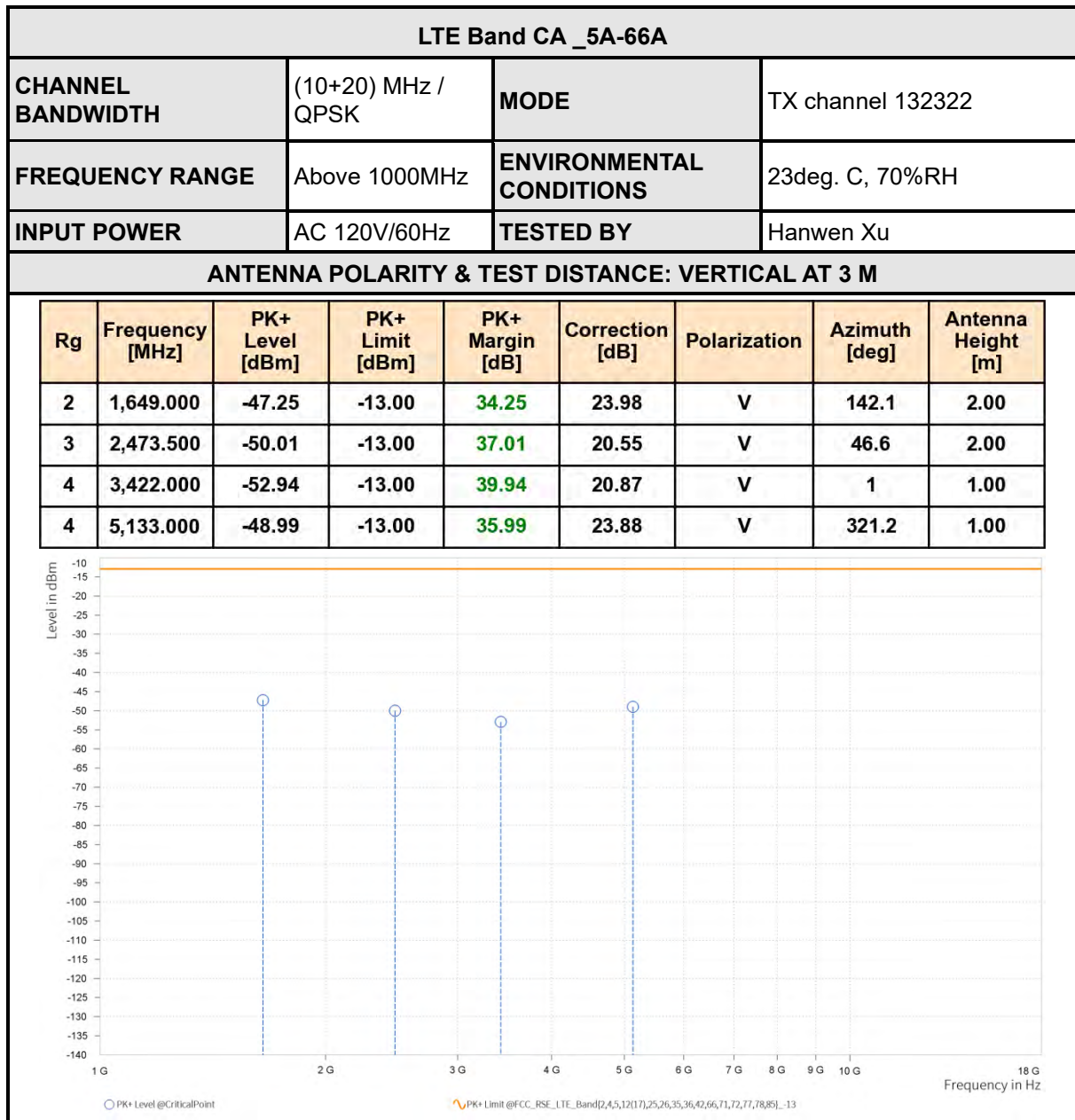
LTE Band CA_5A-66A

CHANNEL BANDWIDTH	(10+20) MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,649.000	-44.56	-13.00	31.56	24.43	H	130.1	2.00
3	2,473.500	-50.26	-13.00	37.26	20.30	H	120.2	2.00
4	3,422.000	-50.63	-13.00	37.63	20.52	H	104	1.00
4	5,133.000	-49.51	-13.00	36.51	23.57	H	1	2.00





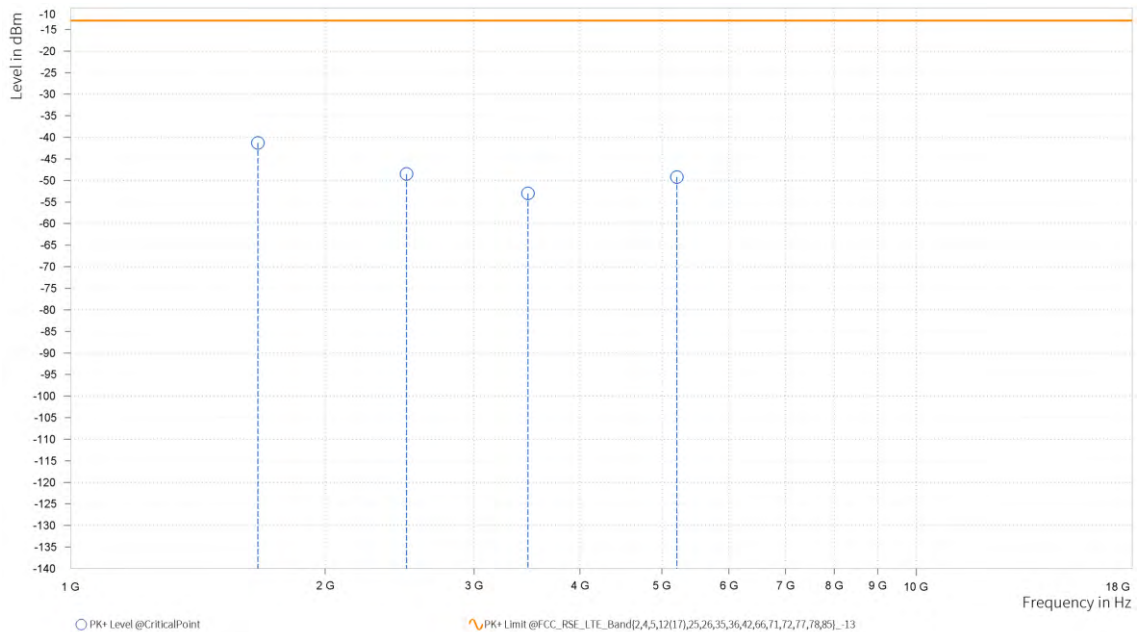


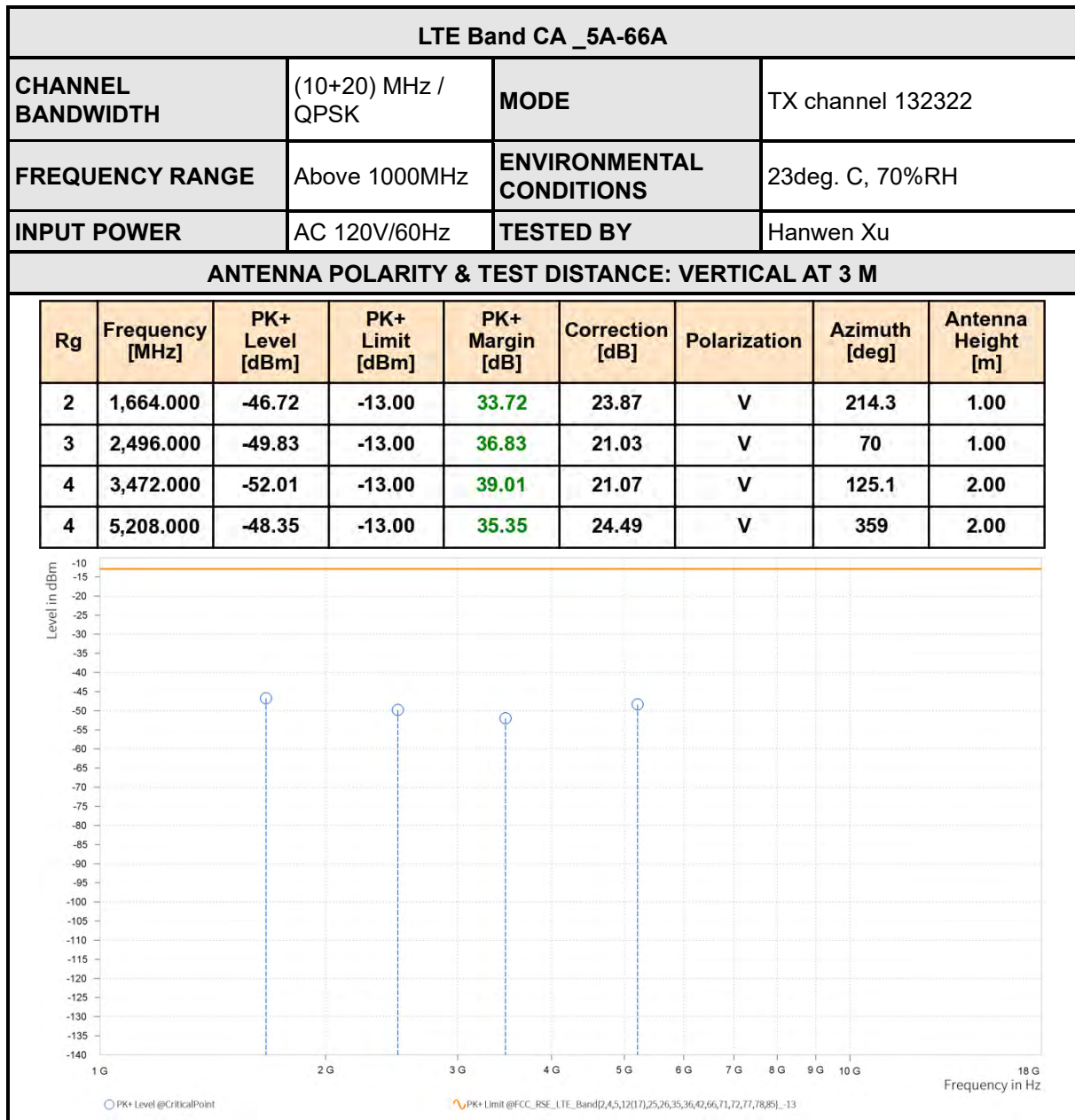
LTE Band CA_5A-66A

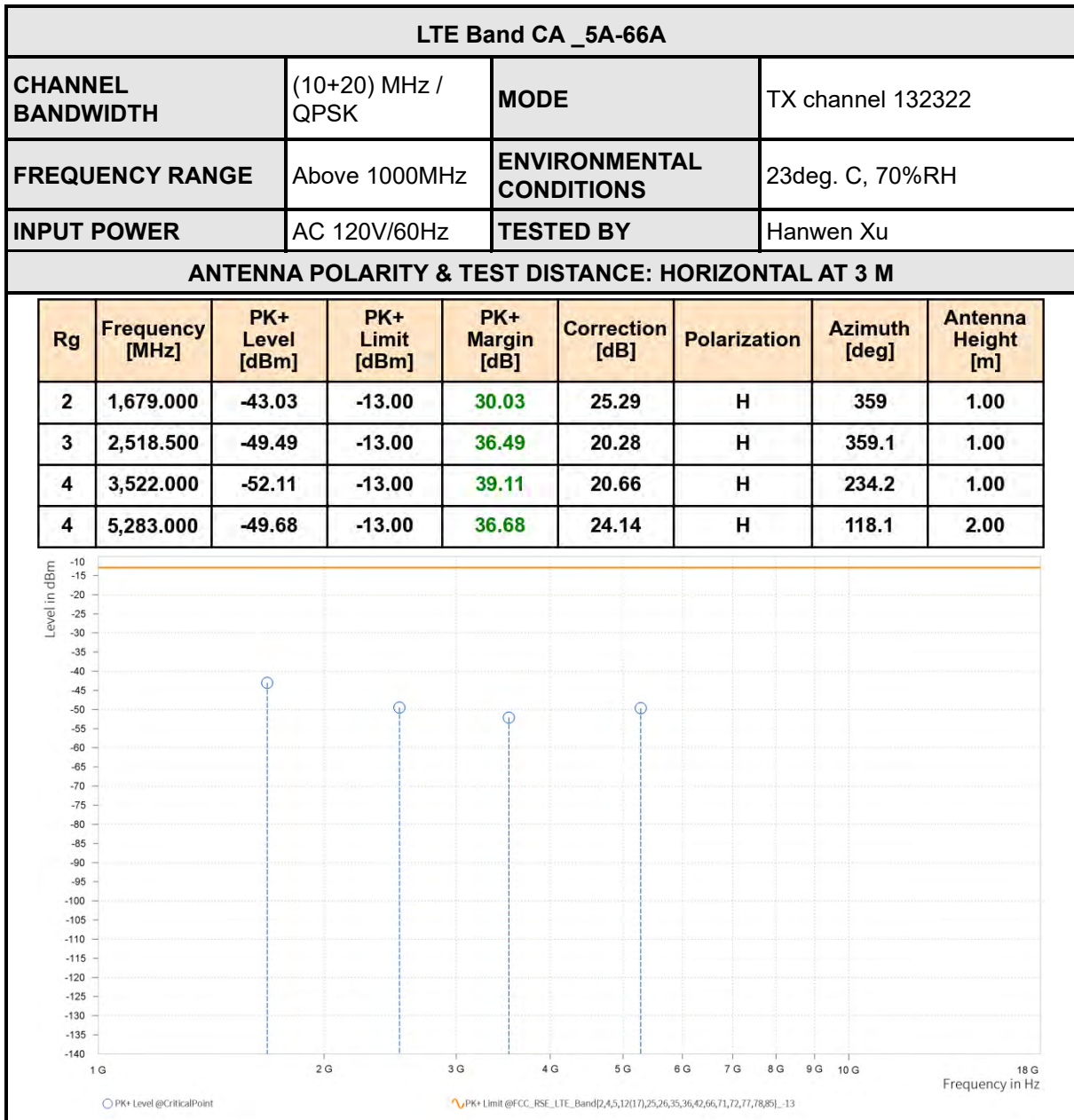
CHANNEL BANDWIDTH	(10+20) MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

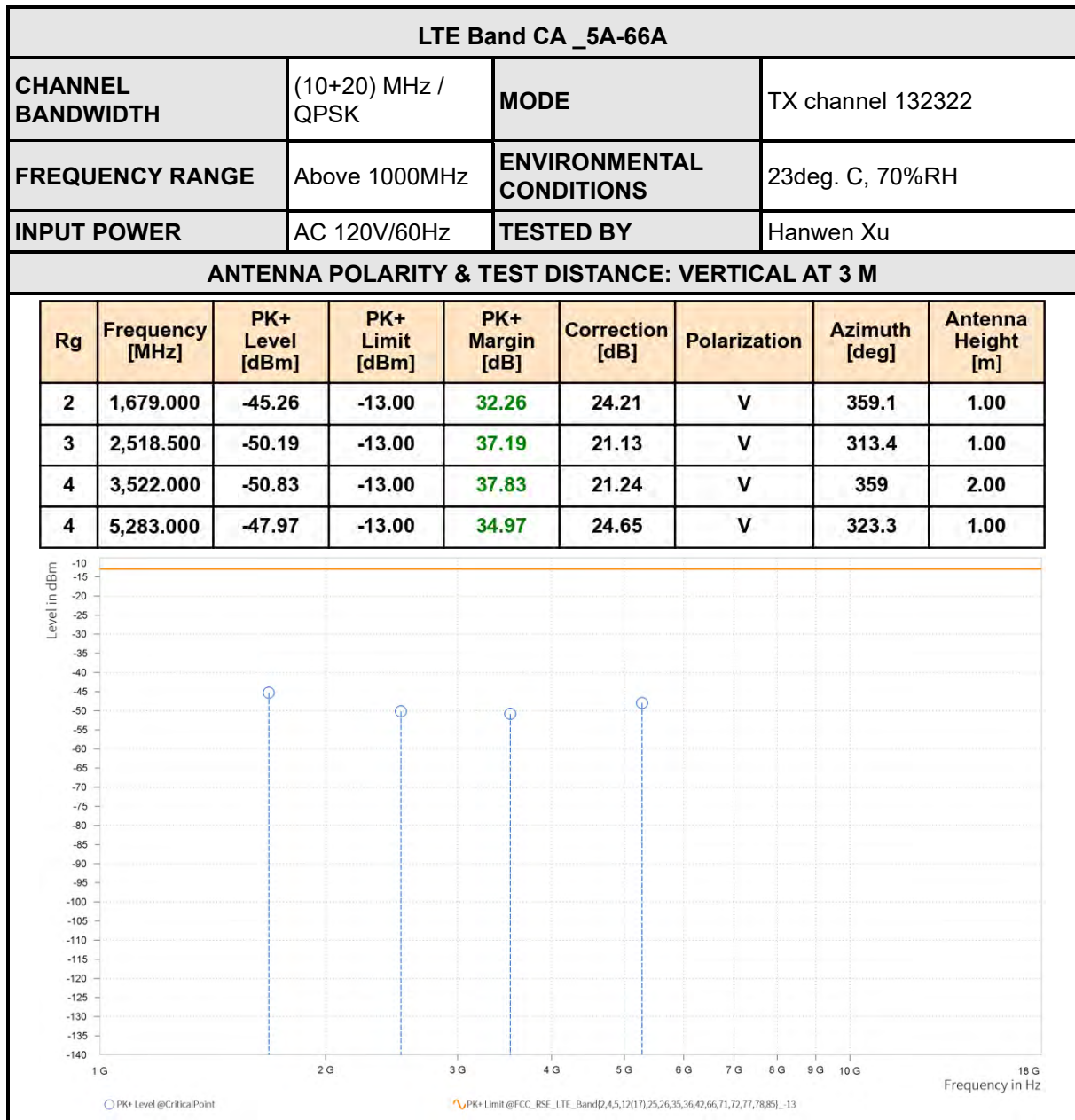
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,664.000	-41.29	-13.00	28.29	24.99	H	145	2.00
3	2,496.000	-48.52	-13.00	35.52	20.76	H	359	2.00
4	3,472.000	-53.00	-13.00	40.00	20.35	H	311.3	1.00
4	5,208.000	-49.21	-13.00	36.21	23.90	H	311.3	1.00







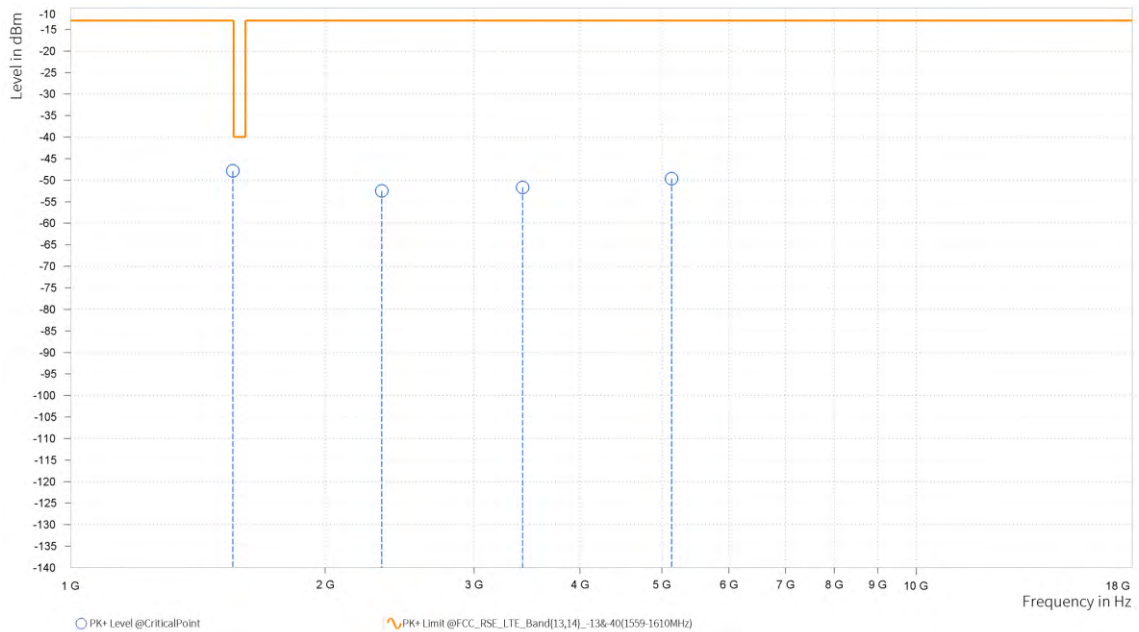


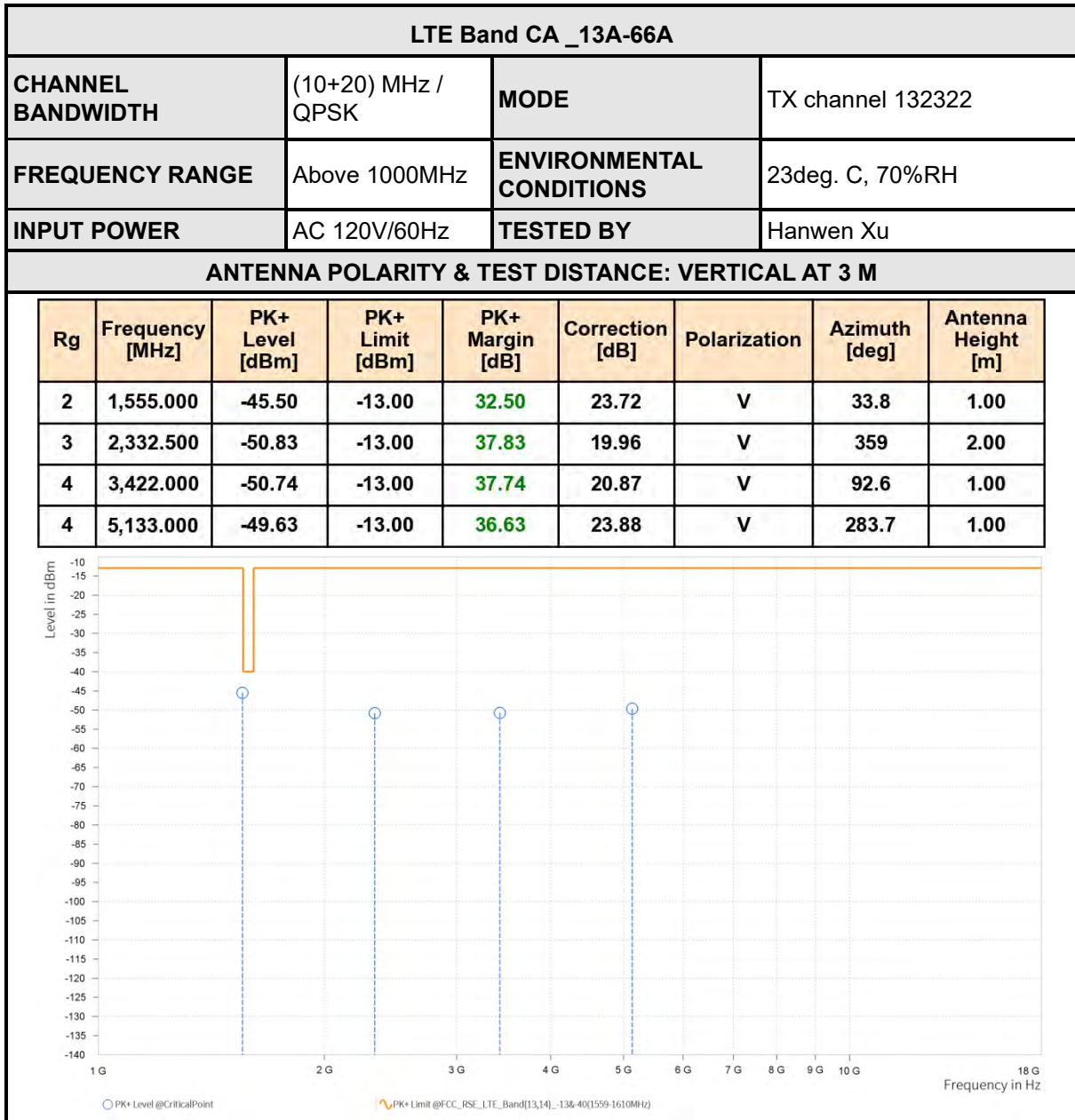


LTE Band CA_13A-66A			
CHANNEL BANDWIDTH	(10+20) MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-47.85	-13.00	34.85	22.38	H	359.1	1.00
3	2,332.500	-52.50	-13.00	39.50	19.37	H	278	1.00
4	3,422.000	-51.66	-13.00	38.66	20.52	H	0.9	2.00
4	5,133.000	-49.63	-13.00	36.63	23.57	H	359	2.00





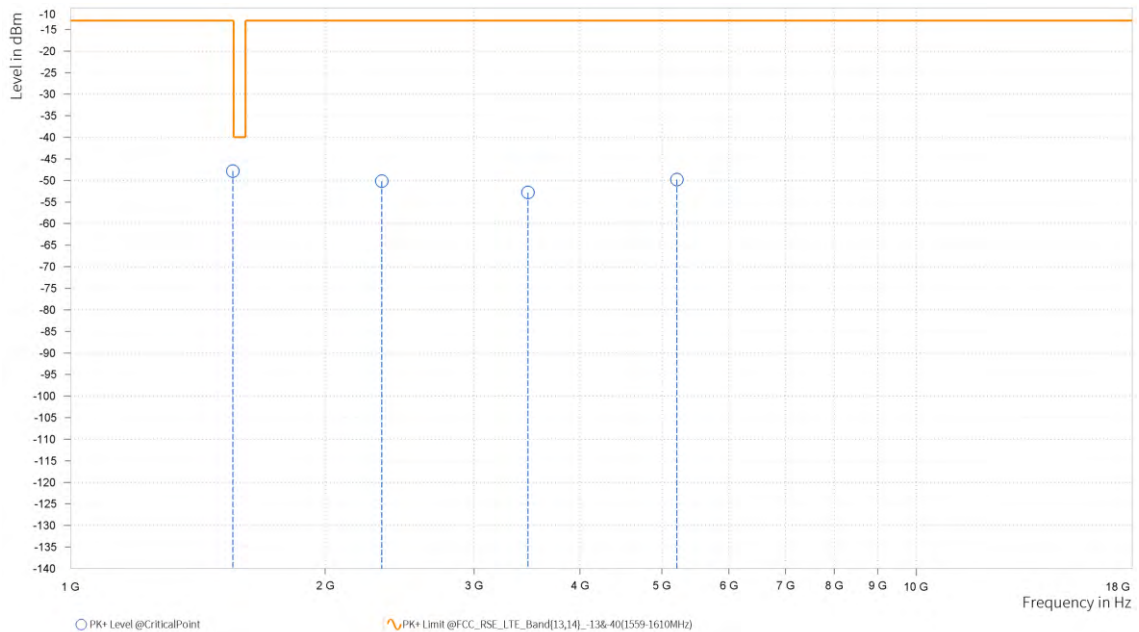


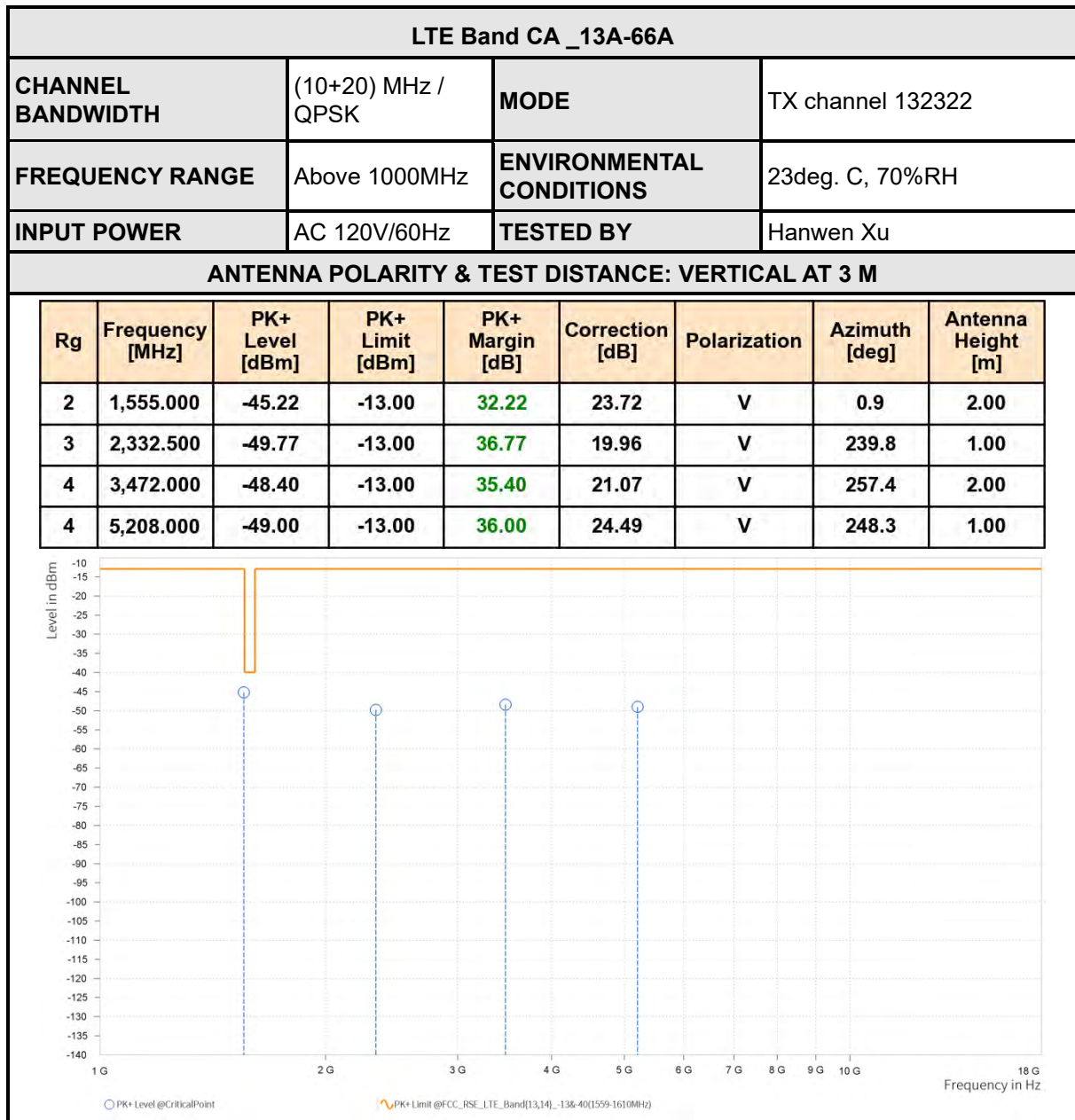
LTE Band CA_13A-66A

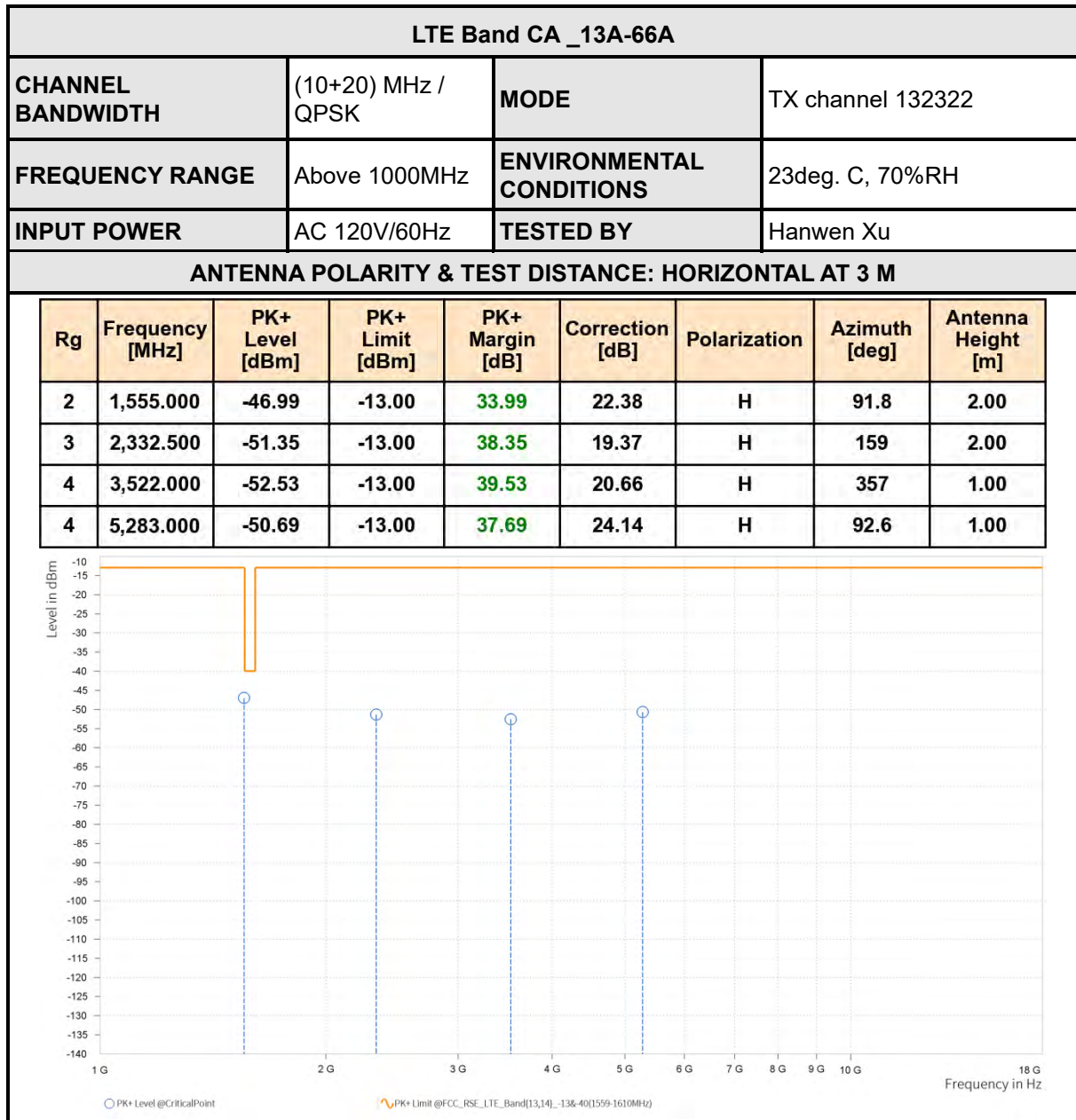
CHANNEL BANDWIDTH	(10+20) MHz / QPSK	MODE	TX channel 132322
FREQUENCY RANGE	Above 1000MHz	ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH
INPUT POWER	AC 120V/60Hz	TESTED BY	Hanwen Xu

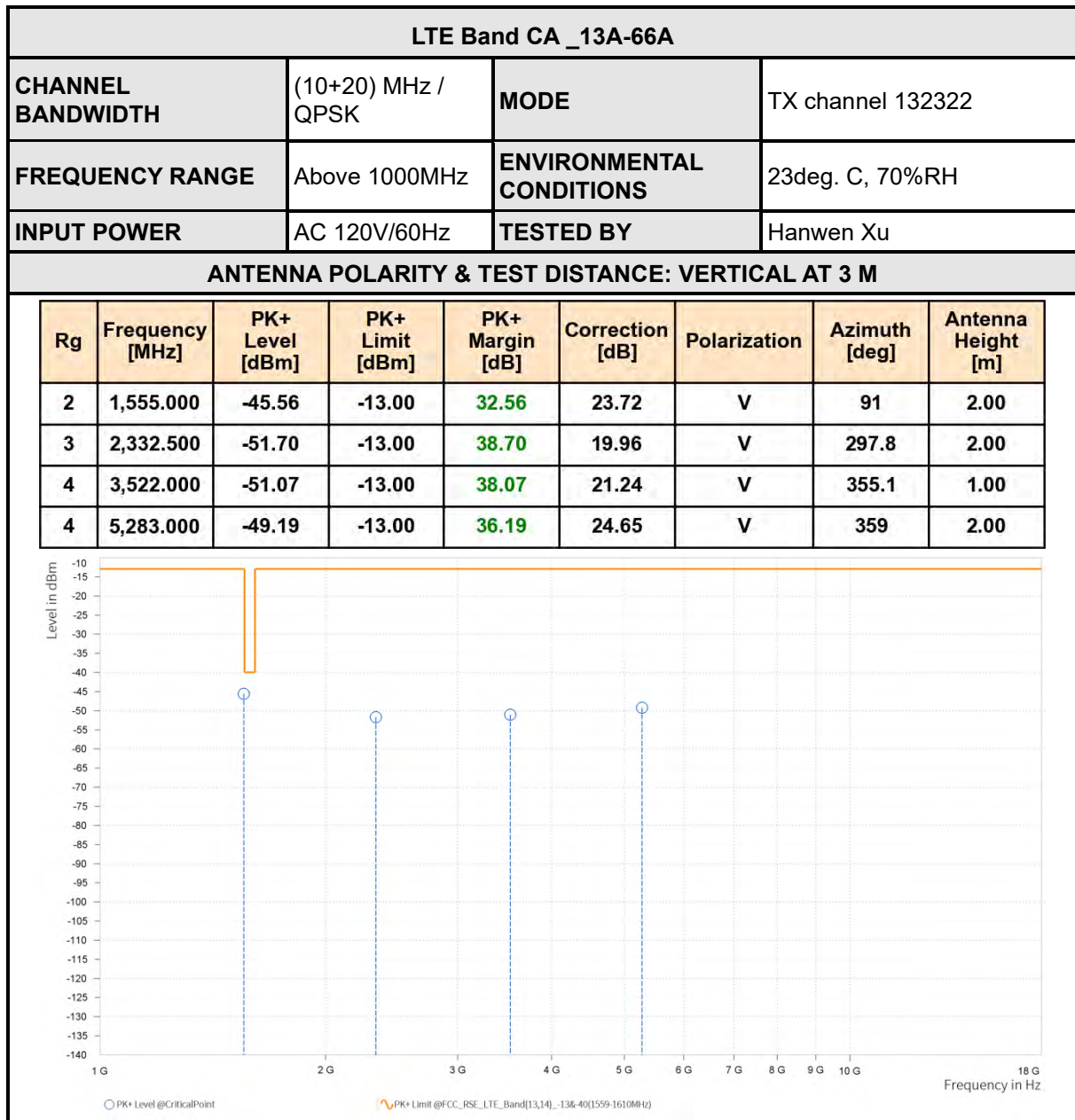
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
2	1,555.000	-47.83	-13.00	34.83	22.38	H	359	1.00
3	2,332.500	-50.17	-13.00	37.17	19.37	H	1	2.00
4	3,472.000	-52.79	-13.00	39.79	20.35	H	1	1.00
4	5,208.000	-49.78	-13.00	36.78	23.90	H	113.8	1.00







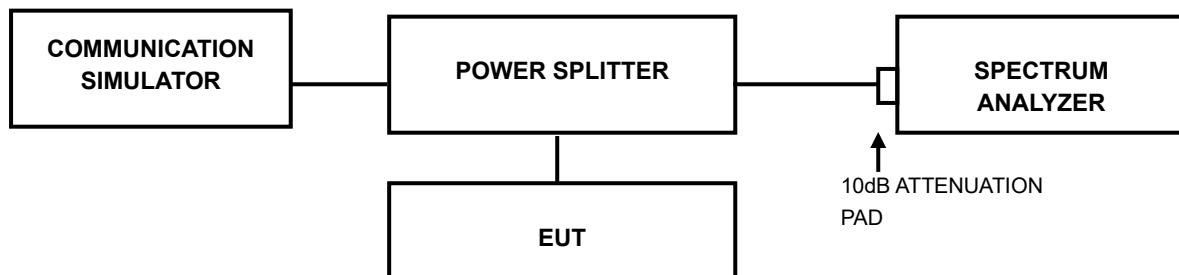


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please Refer to single band Appendix G&H.

4 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

If you have any comments, please feel free to contact us at the following:

Suzhou EMC/RF Lab:

Tel: +86 (0557) 368 1008

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

6 Appendix

66B

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
66-66	5MHz-5MHz	QPSK-QPSK	131997-132045	25RB#0-25RB#0	9.340	9.98	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132398-132446	25RB#0-25RB#0	9.317	10.01	PASS
66-66	5MHz-5MHz	QPSK-QPSK	132599-132647	25RB#0-25RB#0	9.319	9.98	PASS
66-66	5MHz-5MHz	16QAM-16QAM	131997-132045	25RB#0-25RB#0	9.331	10.01	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132398-132446	25RB#0-25RB#0	9.328	9.98	PASS
66-66	5MHz-5MHz	16QAM-16QAM	132599-132647	25RB#0-25RB#0	9.325	9.95	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132022-132094	50RB#0-25RB#0	14.185	14.84	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132397-132469	50RB#0-25RB#0	14.212	14.88	PASS
66-66	10MHz-5MHz	QPSK-QPSK	132572-132644	50RB#0-25RB#0	14.212	14.88	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132022-132094	50RB#0-25RB#0	14.135	14.79	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132397-132469	50RB#0-25RB#0	14.171	14.79	PASS
66-66	10MHz-5MHz	16QAM-16QAM	132572-132644	50RB#0-25RB#0	14.132	14.70	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132047-132140	75RB#0-25RB#0	18.469	19.24	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132398-132491	75RB#0-25RB#0	18.510	19.30	PASS
66-66	15MHz-5MHz	QPSK-QPSK	132549-132642	75RB#0-25RB#0	18.463	19.18	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132047-132140	75RB#0-25RB#0	18.425	19.18	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132398-132491	75RB#0-25RB#0	18.455	19.24	PASS
66-66	15MHz-5MHz	16QAM-16QAM	132549-132642	75RB#0-25RB#0	18.445	19.24	PASS
66-66	5MHz-	QPSK-	132000-	25RB#0-50RB#0	14.149	14.79	PASS



	10MHz	QPSK	132072				
66-66	5MHz- 10MHz	QPSK- QPSK	132375- 132447	25RB#0-50RB#0	14.187	14.84	PASS
66-66	5MHz- 10MHz	QPSK- QPSK	132550- 132622	25RB#0-50RB#0	14.158	14.88	PASS
66-66	5MHz- 10MHz	16QAM- 16QAM	132000- 132072	25RB#0-50RB#0	14.148	14.84	PASS
66-66	5MHz- 10MHz	16QAM- 16QAM	132375- 132447	25RB#0-50RB#0	14.142	14.84	PASS
66-66	5MHz- 10MHz	16QAM- 16QAM	132550- 132622	25RB#0-50RB#0	14.142	14.88	PASS
66-66	10MHz- 10MHz	QPSK- QPSK	132022- 132121	50RB#0-50RB#0	19.048	19.96	PASS
66-66	10MHz- 10MHz	QPSK- QPSK	132373- 132472	50RB#0-50RB#0	19.052	19.96	PASS
66-66	10MHz- 10MHz	QPSK- QPSK	132523- 132622	50RB#0-50RB#0	19.028	20.02	PASS
66-66	10MHz- 10MHz	16QAM- 16QAM	132022- 132121	50RB#0-50RB#0	18.999	19.96	PASS
66-66	10MHz- 10MHz	16QAM- 16QAM	132373- 132472	50RB#0-50RB#0	18.999	20.02	PASS
66-66	10MHz- 10MHz	16QAM- 16QAM	132523- 132622	50RB#0-50RB#0	19.023	19.96	PASS
66-66	5MHz- 15MHz	QPSK- QPSK	132002- 132095	25RB#0-75RB#0	18.444	19.24	PASS
66-66	5MHz- 15MHz	QPSK- QPSK	132353- 132446	25RB#0-75RB#0	18.472	19.18	PASS
66-66	5MHz- 15MHz	QPSK- QPSK	132504- 132597	25RB#0-75RB#0	18.494	19.30	PASS
66-66	5MHz- 15MHz	16QAM- 16QAM	132002- 132095	25RB#0-75RB#0	18.437	19.24	PASS
66-66	5MHz- 15MHz	16QAM- 16QAM	132353- 132446	25RB#0-75RB#0	18.422	19.12	PASS
66-66	5MHz- 15MHz	16QAM- 16QAM	132504- 132597	25RB#0-75RB#0	18.447	19.12	PASS



Test Graphs

Occupied Bandwidth

66-66-5MHz-5MHz-QPSK-QPSK-131997-132045-25RB#0-
25RB#0-PASS



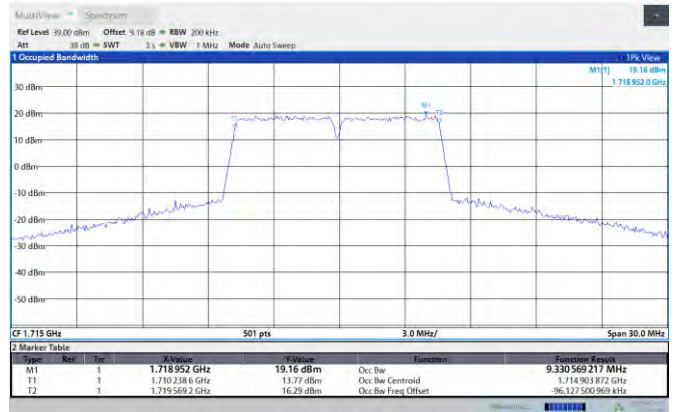
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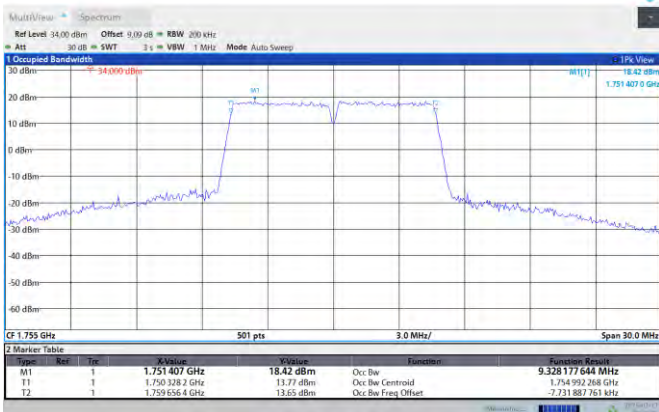
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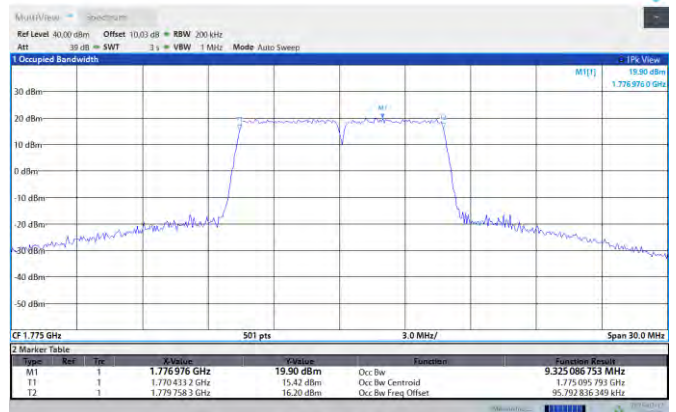
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25RB#0-PASS



66-66-5MHz-5MHz-16QAM-16QAM-132599-132647-25RB#0-
25RB#0-PASS



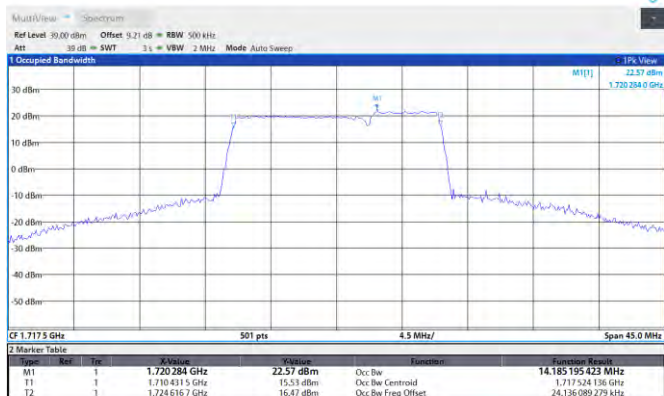
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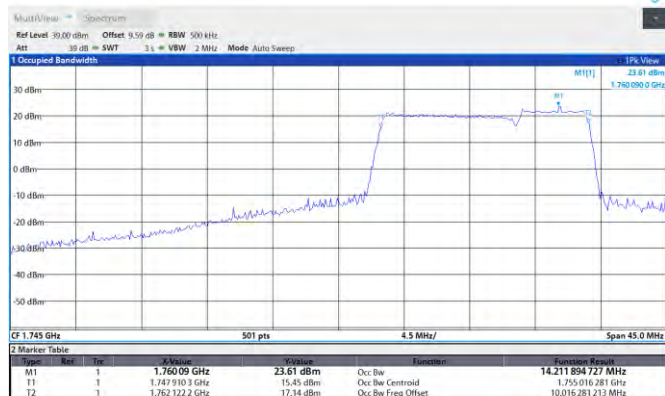


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Test Report No.: PSU-NQN2412090210RF10



66-66-10MHz-5MHz-QPSK-QPSK-132572-132644-50RB#0-25RB#0-PASS



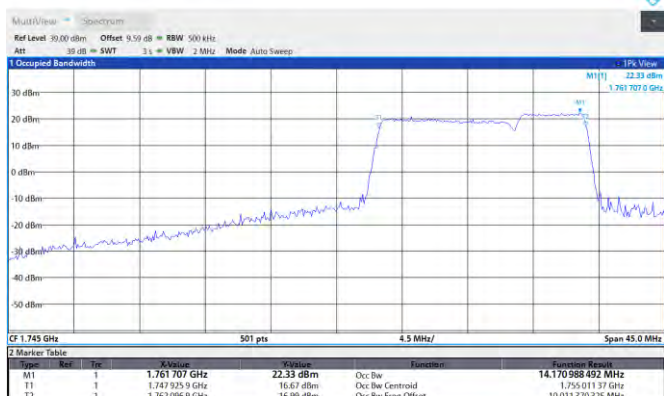
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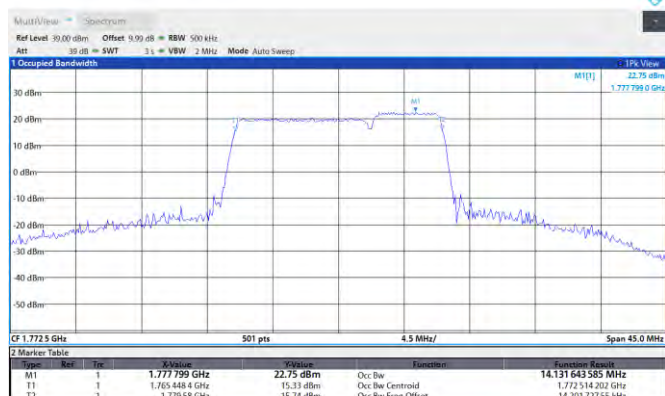
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66-66-15MHz-5MHz-QPSK-QPSK-132047-132140-75RB#0-25RB#0-PASS

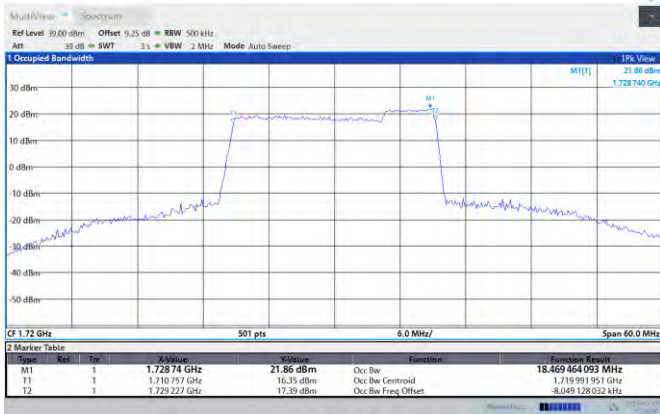


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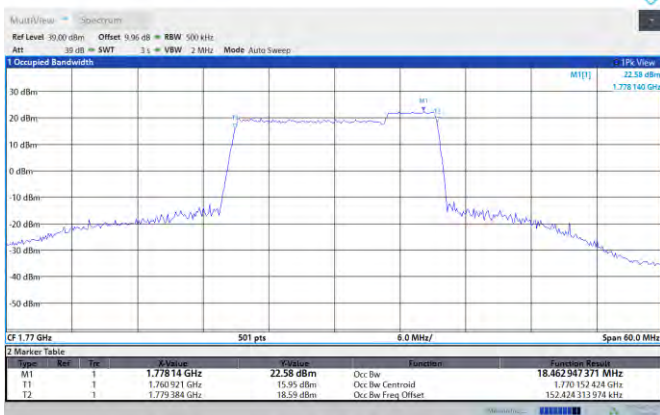
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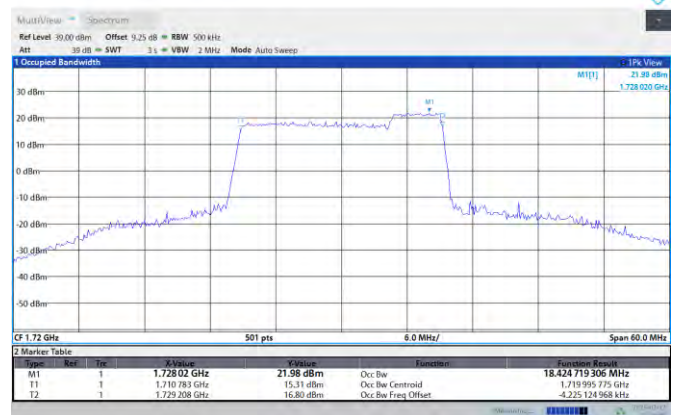
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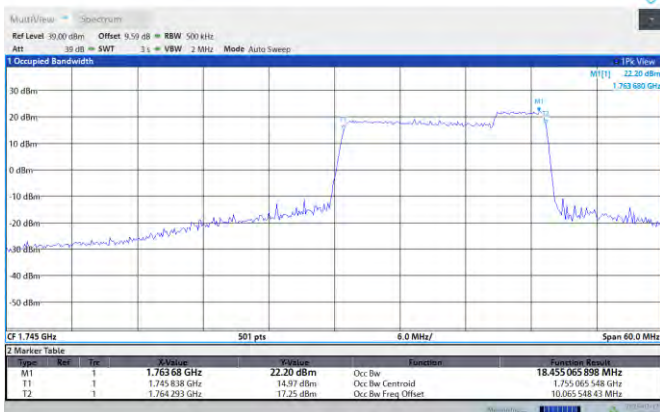
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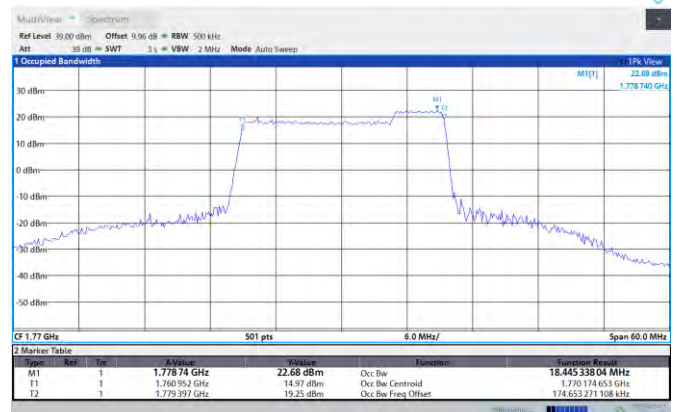
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66-66-15MHz-5MHz-16QAM-16QAM-132549-132642-75RB#0-25RB#0-PASS



66-66-5MHz-10MHz-QPSK-QPSK-132000-132072-25RB#0-50RB#0-PASS



66-66-5MHz-10MHz-QPSK-QPSK-132375-132447-25RB#0-50RB#0-PASS



BUREAU
VERITAS

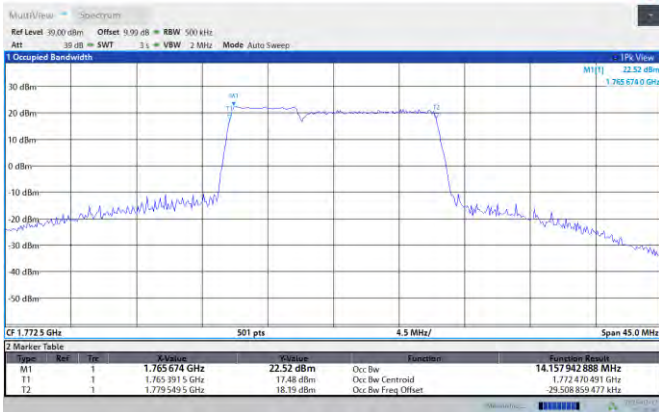
Test Report No.: PSU-NQN2412090210RF10



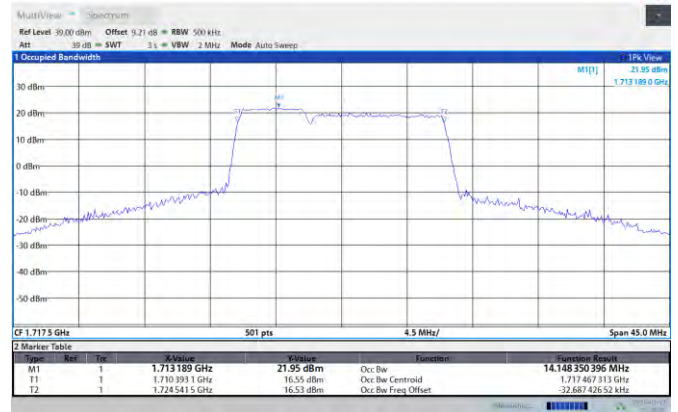
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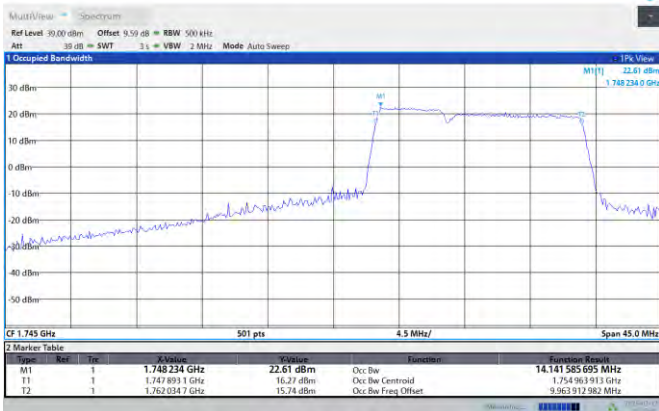
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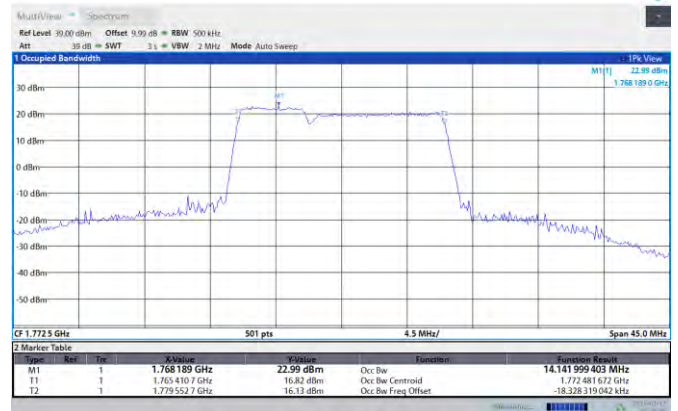
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66-66-5MHz-10MHz-16QAM-16QAM-132550-132622-25RB#0-50RB#0-PASS



66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-50RB#0-50RB#0-PASS

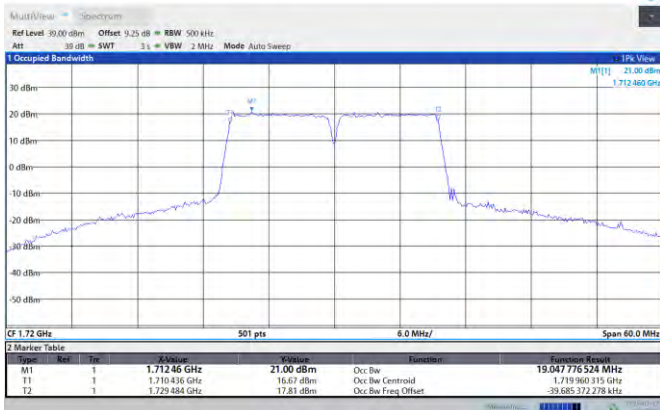


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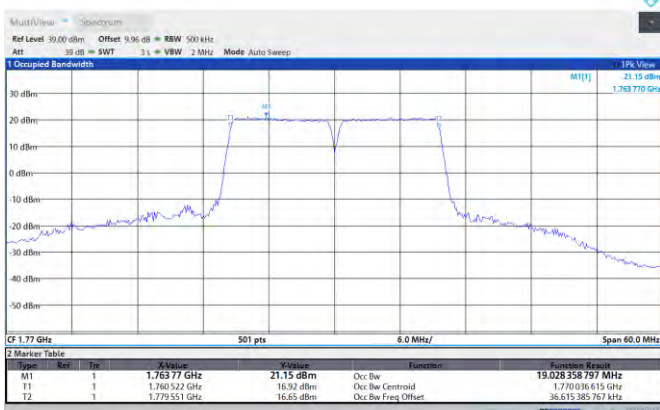
Test Report No.: PSU-NQN2412090210RF10



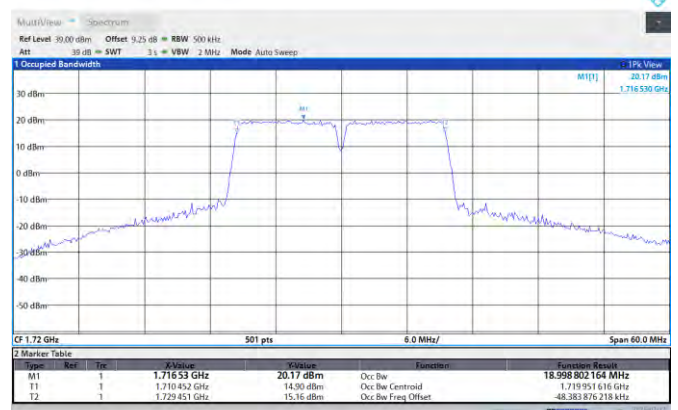
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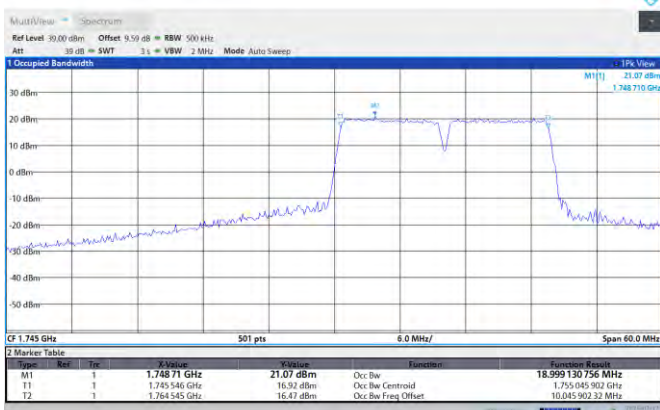
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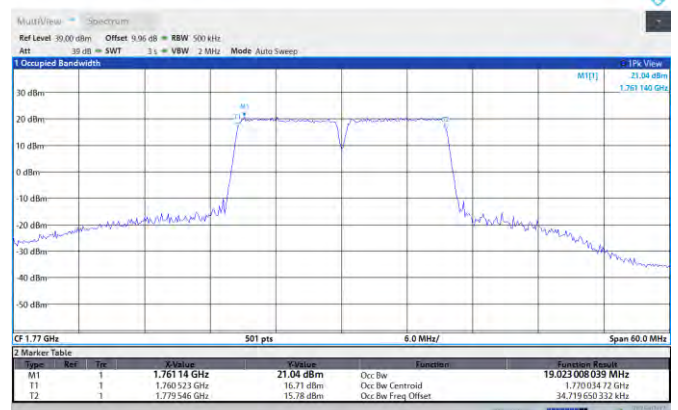
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66-66-10MHz-10MHz-16QAM-16QAM-132523-132622-50RB#0-50RB#0-PASS



66-66-5MHz-15MHz-QPSK-QPSK-132002-132095-25RB#0-75RB#0-PASS

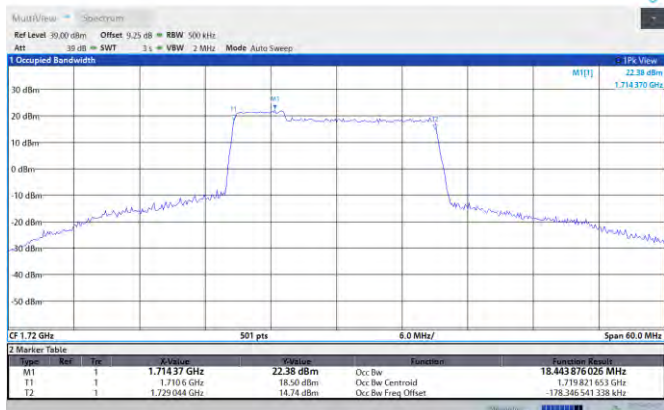


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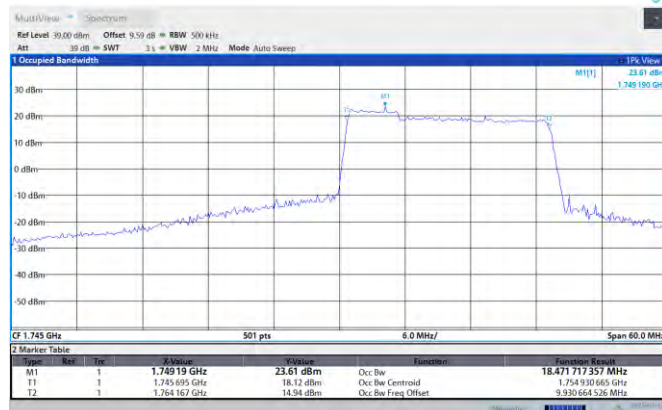


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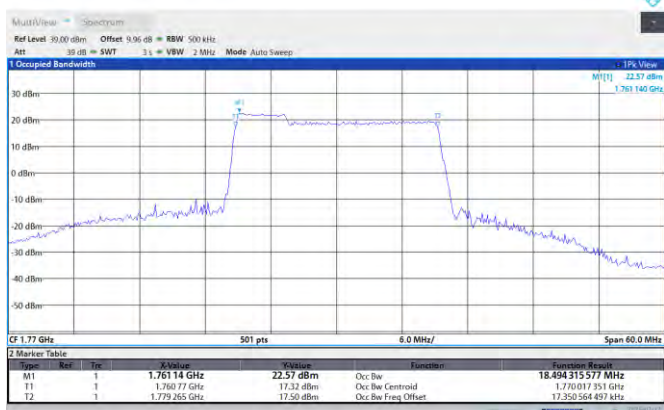
Test Report No.: PSU-NQN2412090210RF10



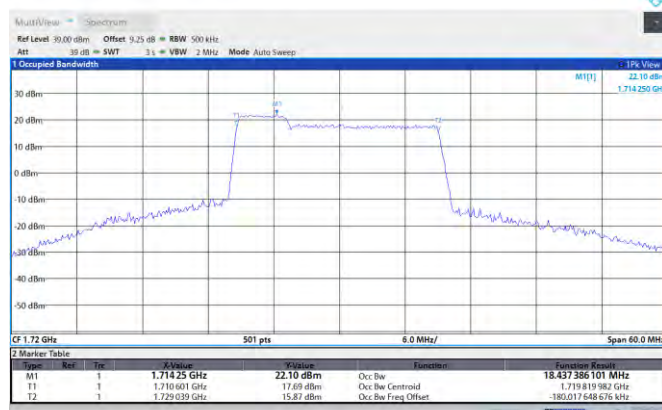
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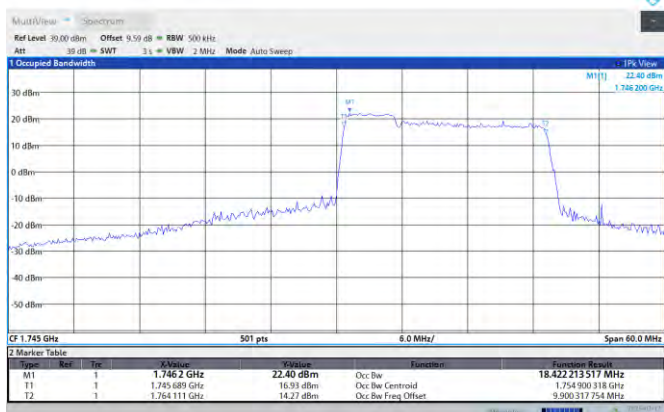
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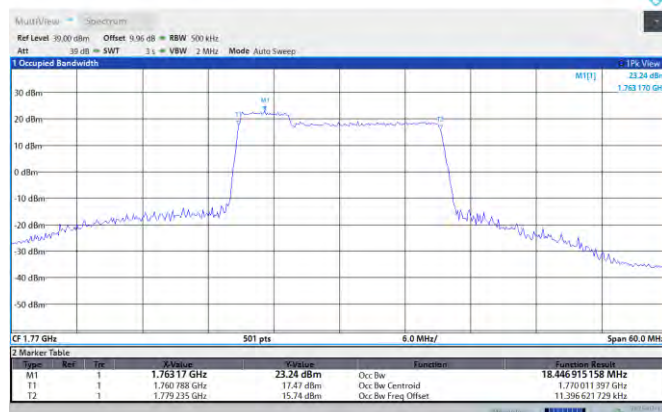
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66-66-5MHz-15MHz-16QAM-16QAM-132504-132597-25RB#0-75RB#0-PASS



66-66-5MHz-5MHz-QPSK-QPSK-131997-132045-25RB#0-25RB#0-PASS



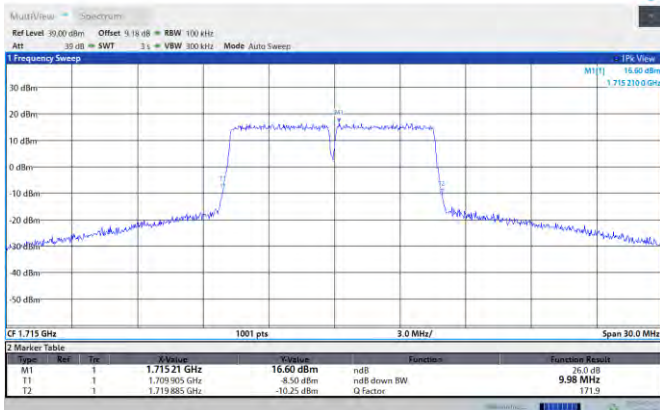
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26dB Bandwidth

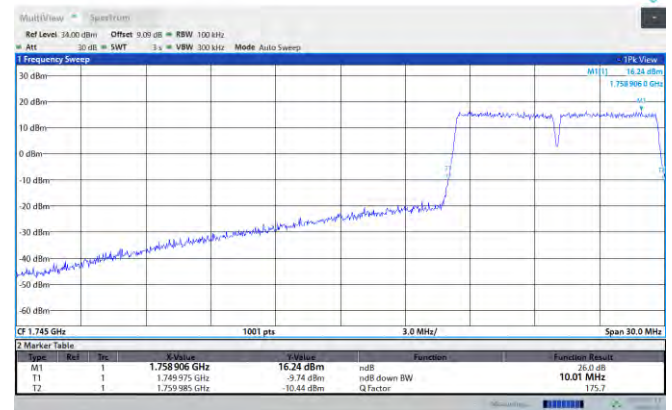
Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech District,
Suzhou City, Anhui Province

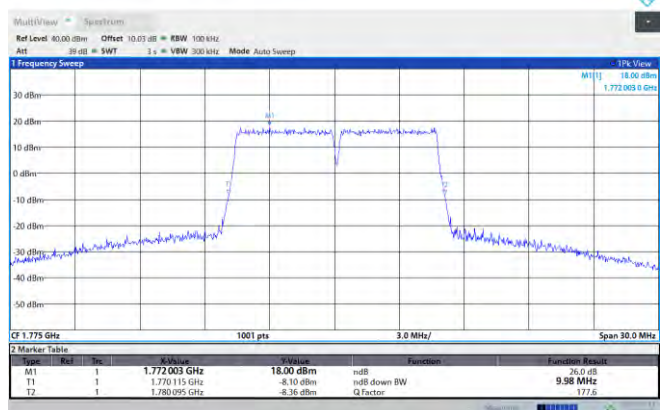
Tel: +86 (0557)
368 1008



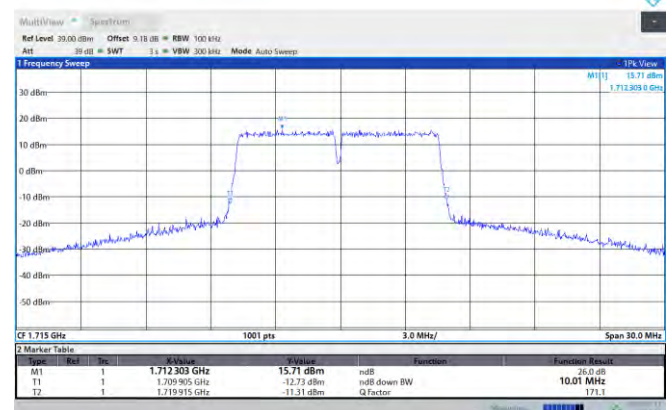
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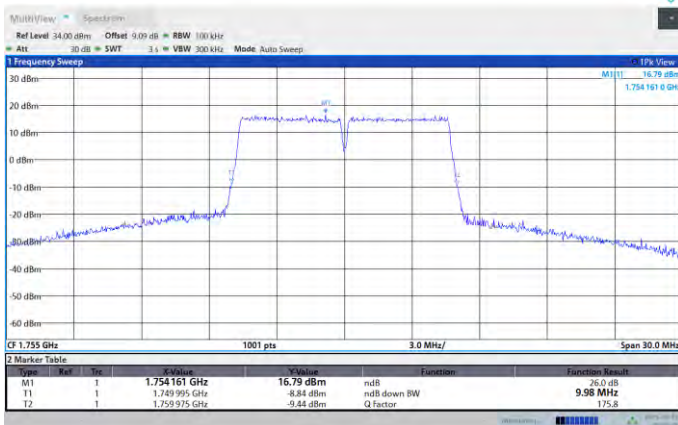
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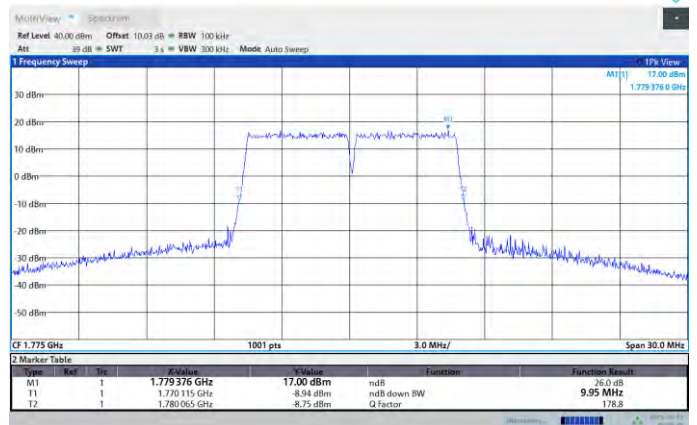
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66-66-10MHz-5MHz-QPSK-QPSK-132022-132094-50RB#0-25RB#0-PASS

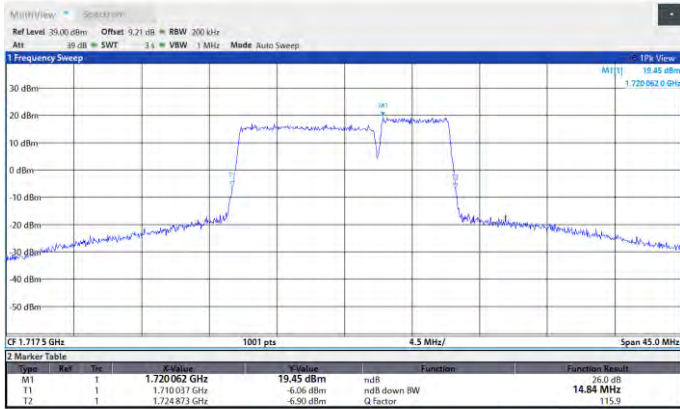


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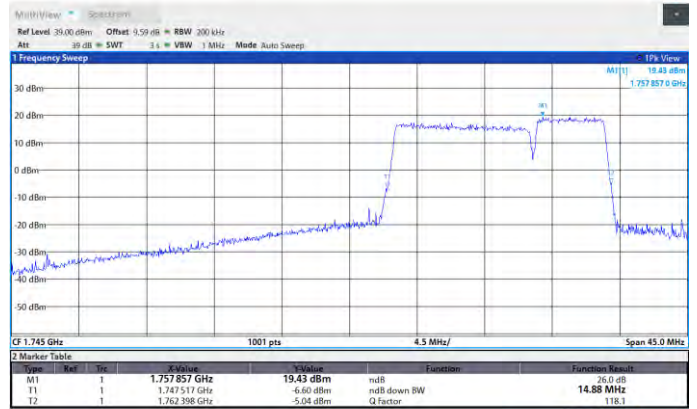


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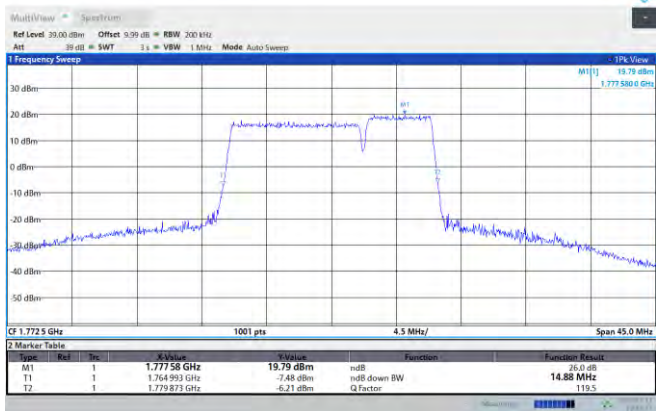
Test Report No.: PSU-NQN2412090210RF10



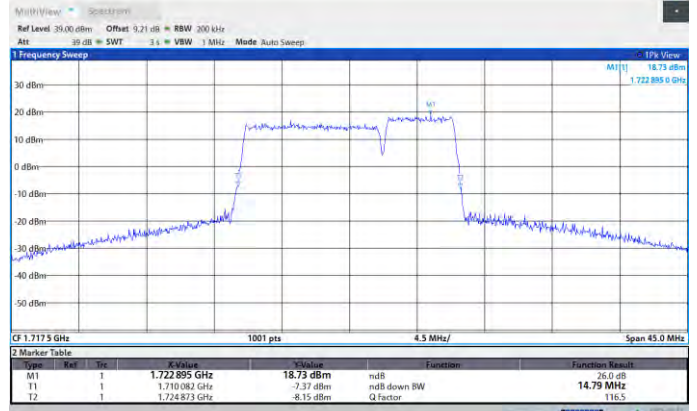
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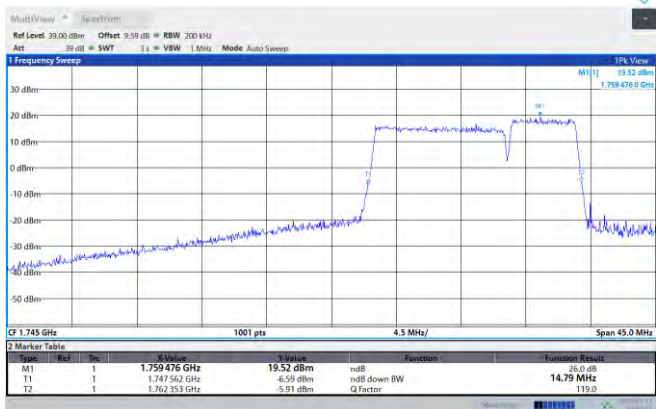
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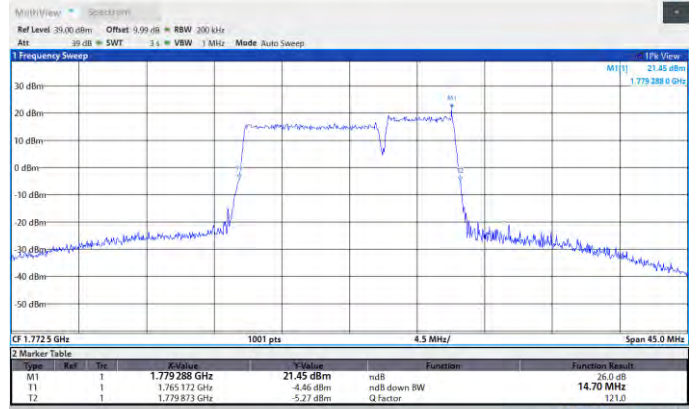
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66-66-10MHz-5MHz-16QAM-16QAM-132572-132644-50RB#0-25RB#0-PASS



66-66-15MHz-5MHz-QPSK-QPSK-132047-132140-75RB#0-25RB#0-PASS



66-66-15MHz-5MHz-QPSK-QPSK-132398-132491-75RB#0-25RB#0-PASS

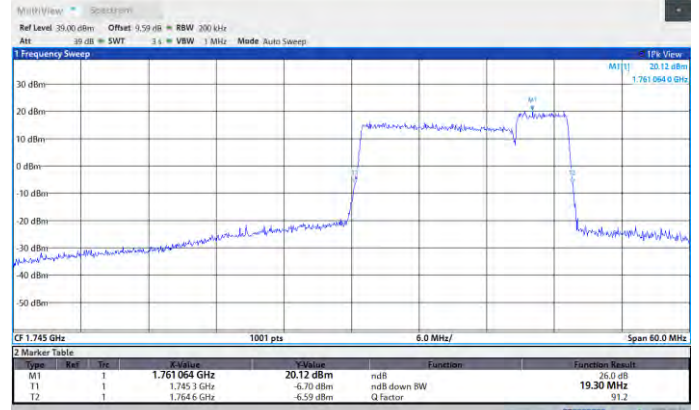


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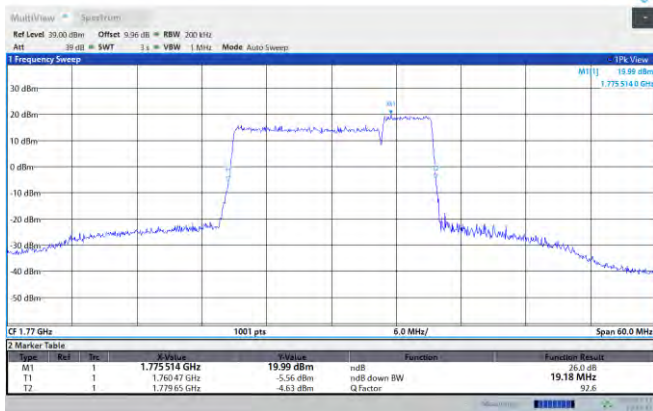
Test Report No.: PSU-NQN2412090210RF10



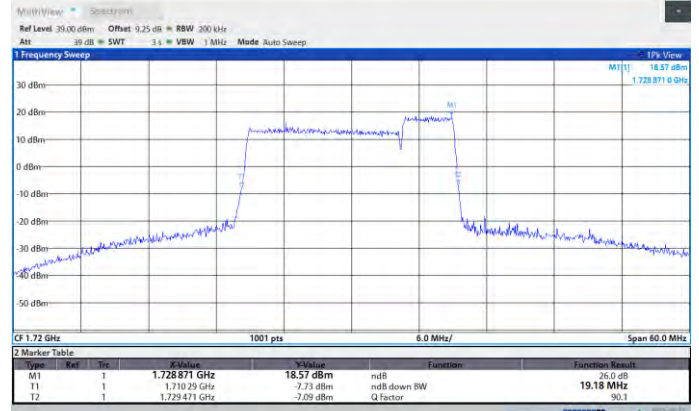
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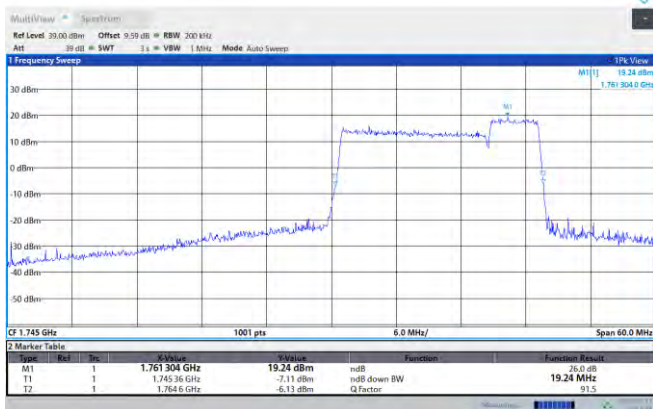
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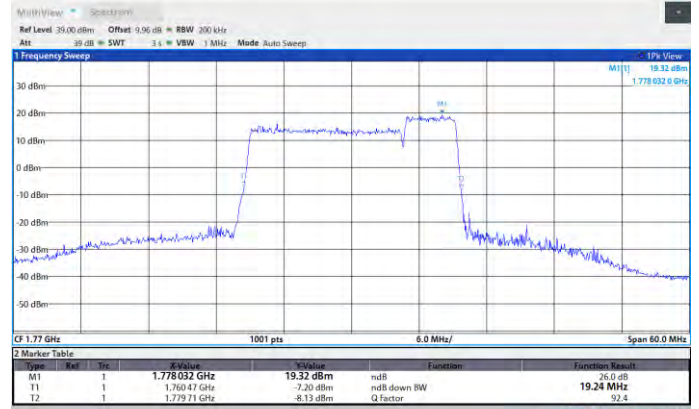
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66-66-5MHz-10MHz-QPSK-QPSK-132000-132072-25RB#0-50RB#0-PASS

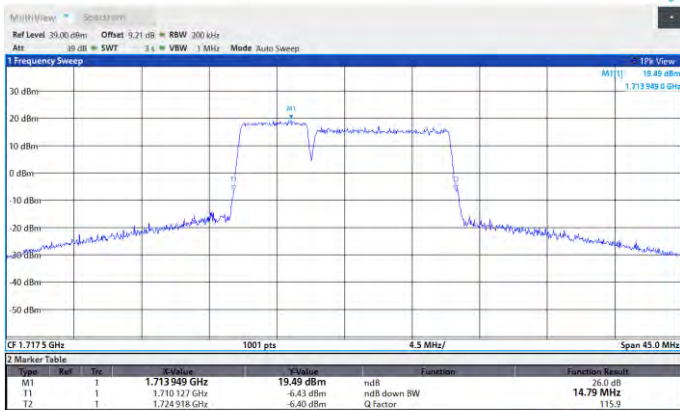


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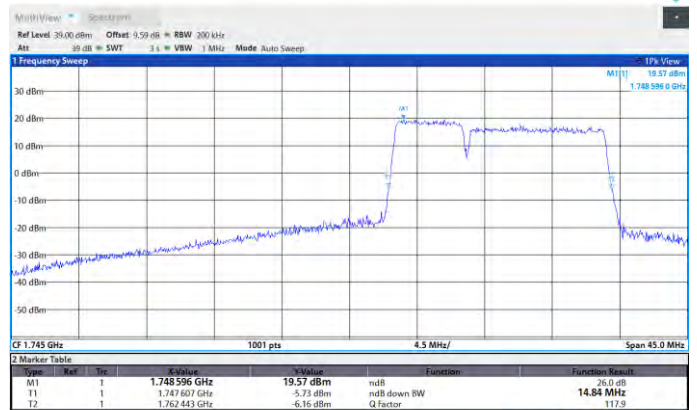


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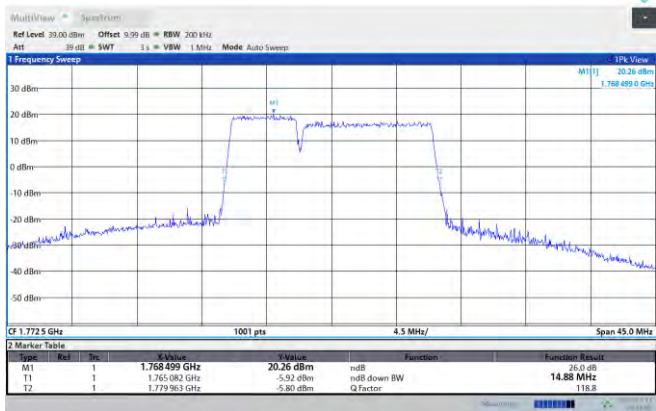
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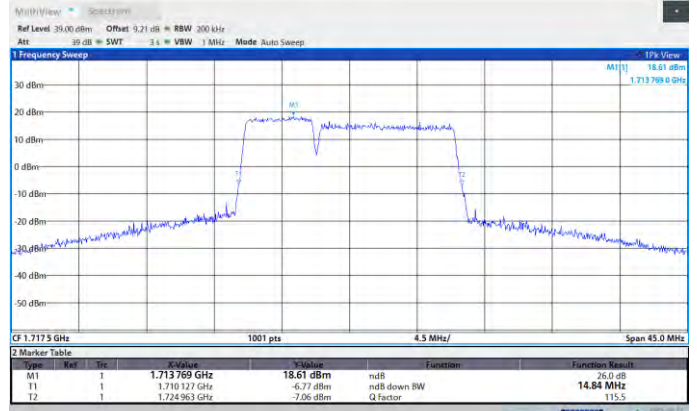
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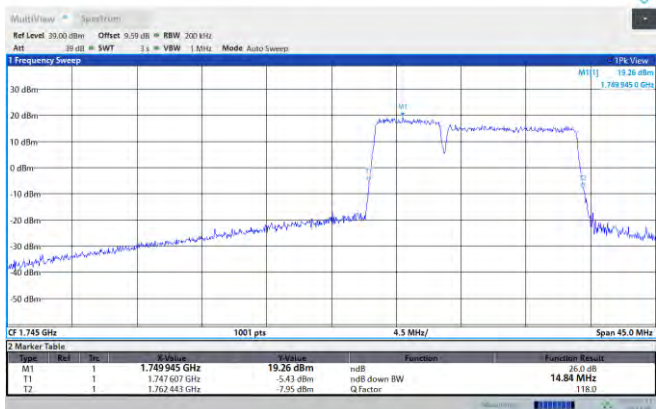
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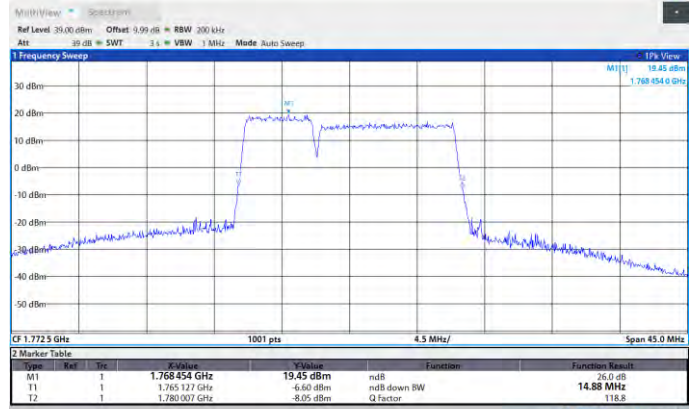
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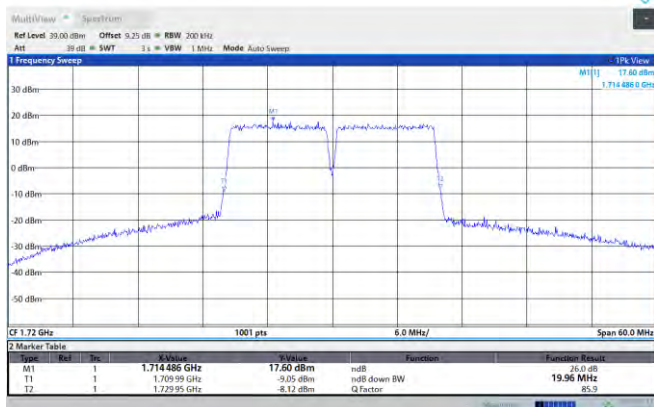
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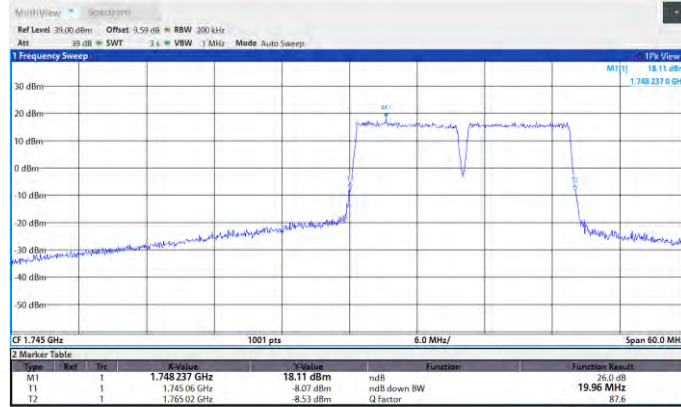
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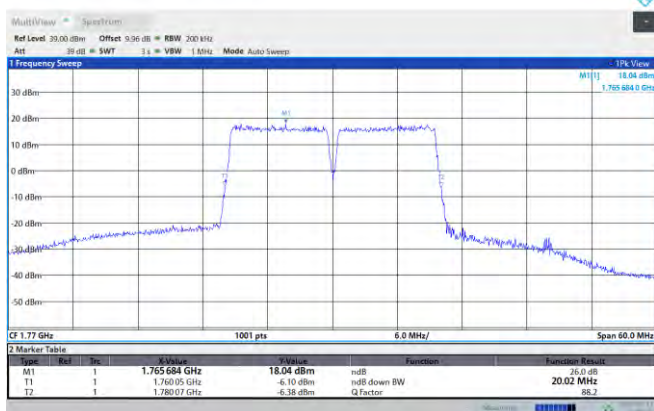
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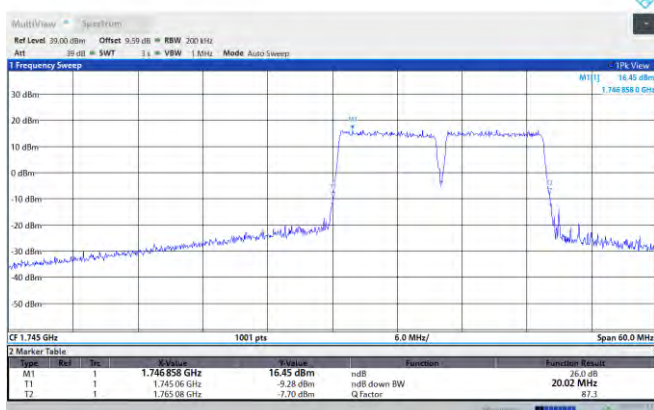
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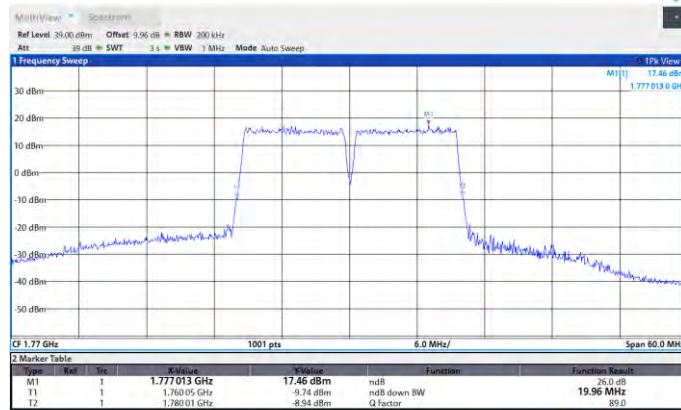
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66-66-10MHz-10MHz-16QAM-16QAM-132523-132622-50RB#0-50RB#0-PASS



66-66-5MHz-15MHz-QPSK-QPSK-132002-132095-25RB#0-75RB#0-PASS

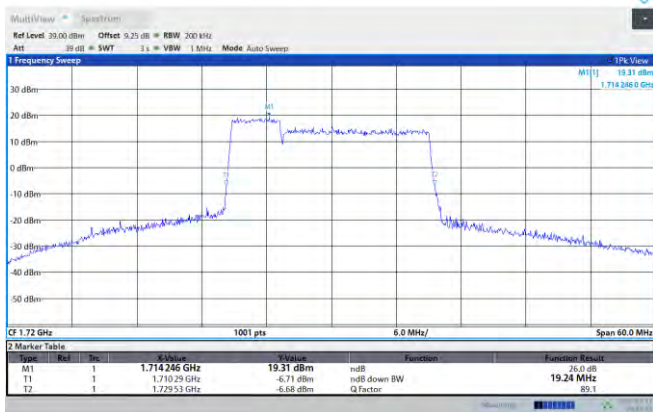


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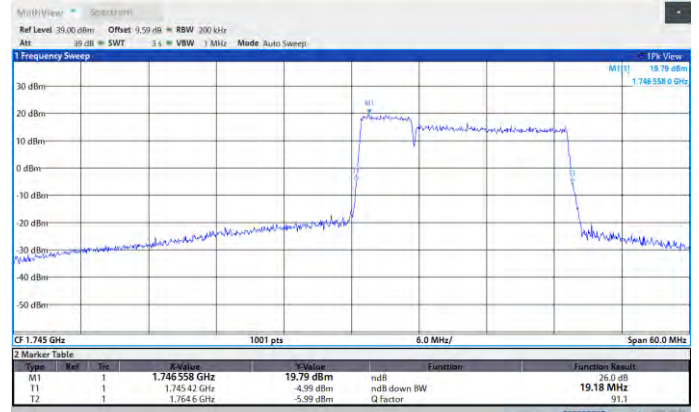


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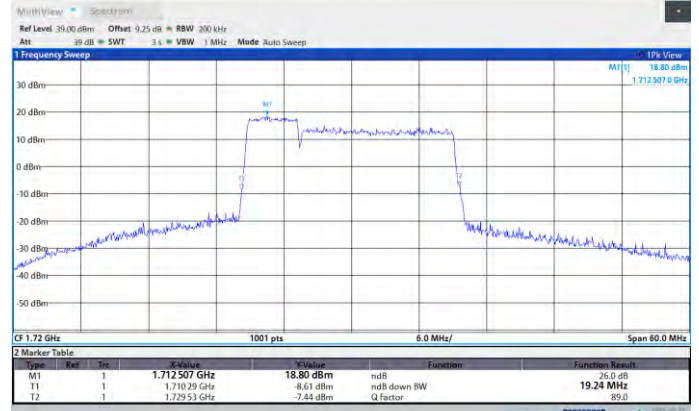
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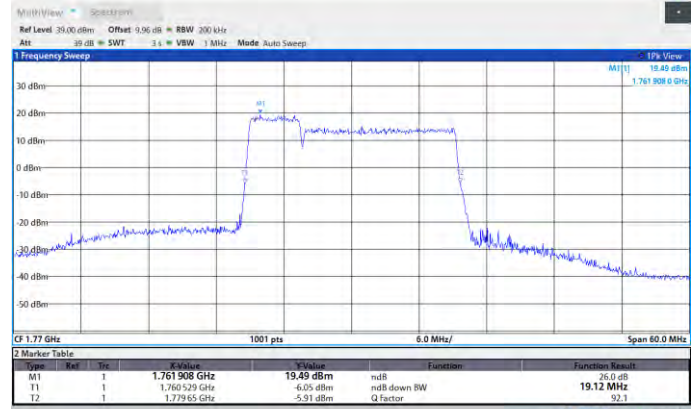
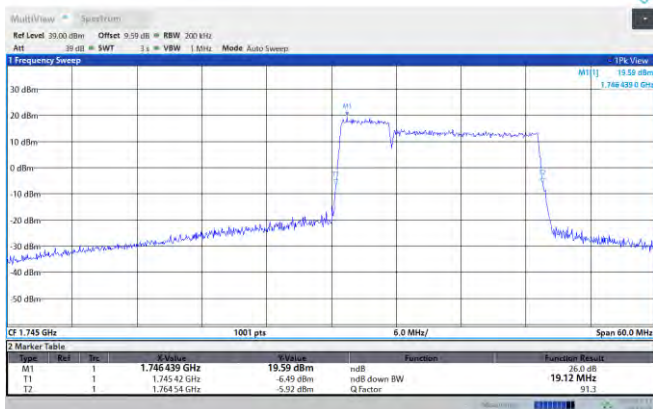
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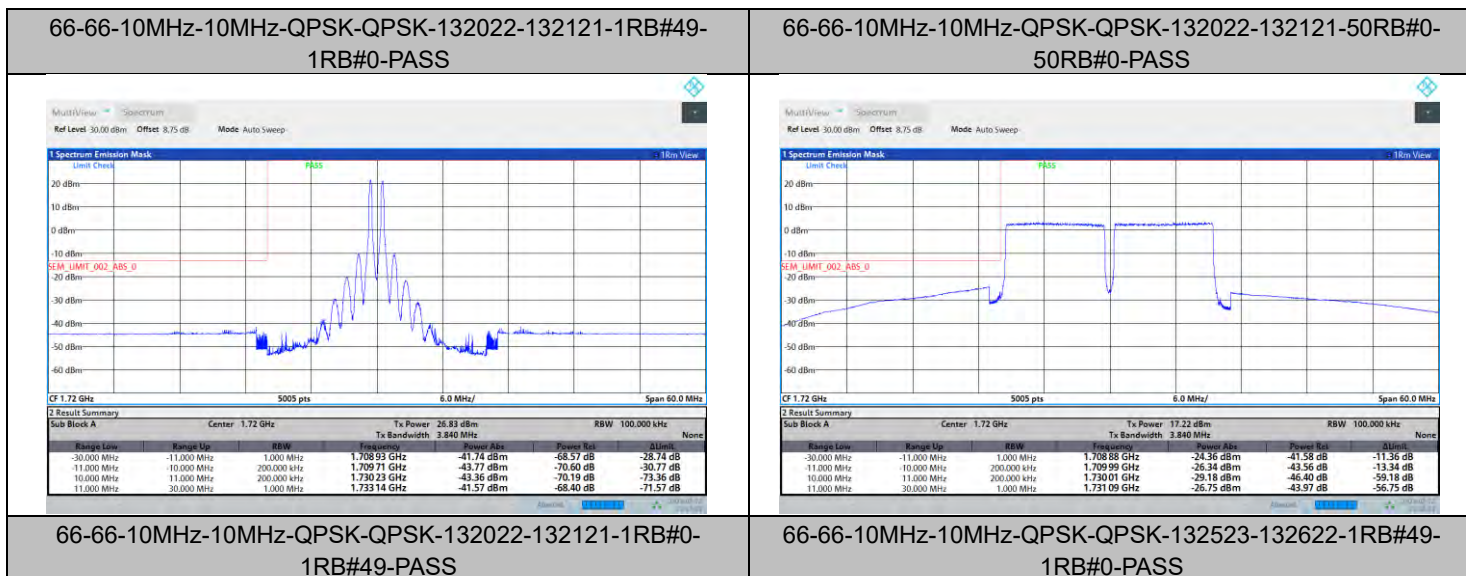
BAND EDGE

Test Result

NOTE: Pre-scan QPSK,16QAM,64QAM, 256QAM four modulations modes, only the worst mode and data reflected in the report.

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	1RB#49-1RB#0	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	50RB#0-50RB#0	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	1RB#0-1RB#49	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	1RB#49-1RB#0	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	50RB#0-50RB#0	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	1RB#0-1RB#49	See Graph	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	1RB#49-1RB#0	See Graph	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	50RB#0-50RB#0	See Graph	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132022-132121	1RB#0-1RB#49	See Graph	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	1RB#49-1RB#0	See Graph	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	50RB#0-50RB#0	See Graph	PASS
66-66	10MHz-10MHz	16QAM-16QAM	132523-132622	1RB#0-1RB#49	See Graph	PASS

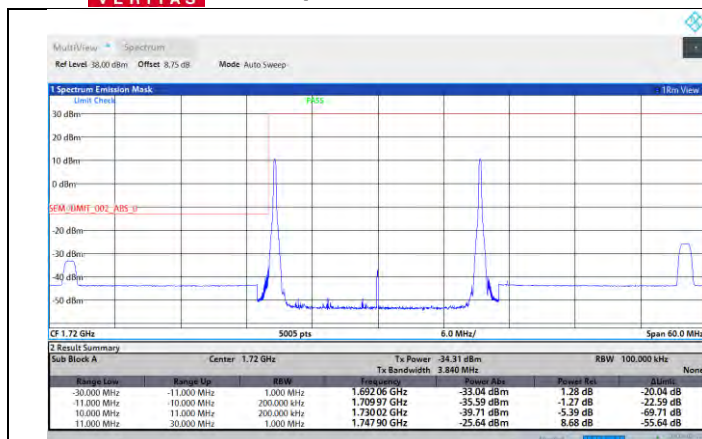
Test Graphs



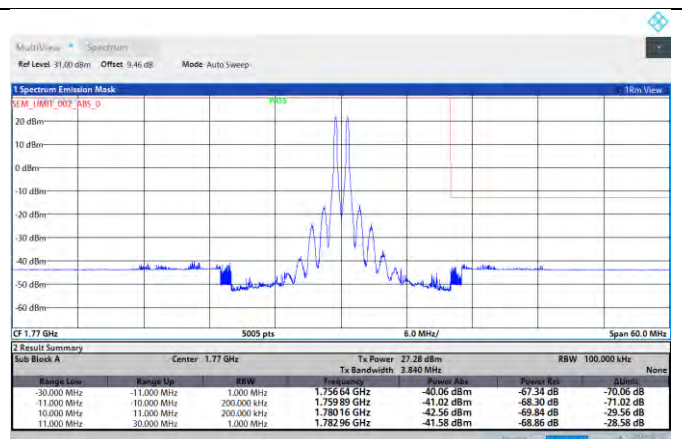


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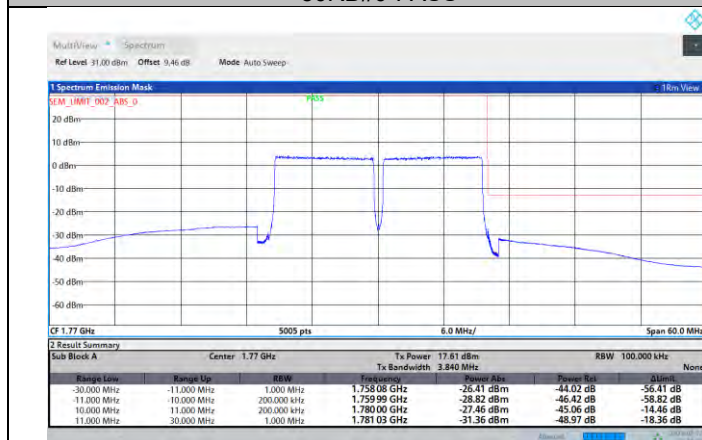
Test Report No.: PSU-NQN2412090210RF10



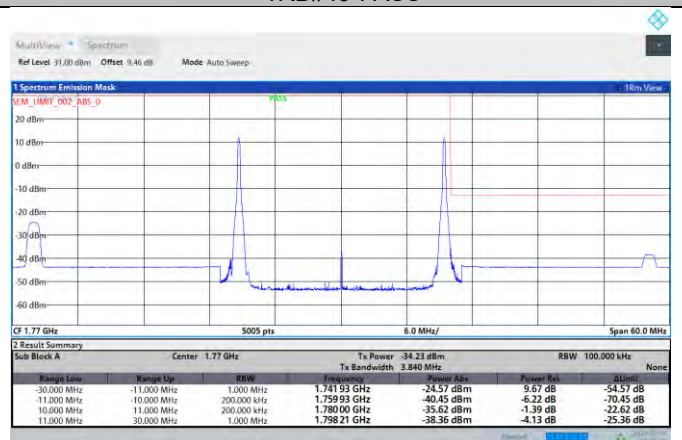
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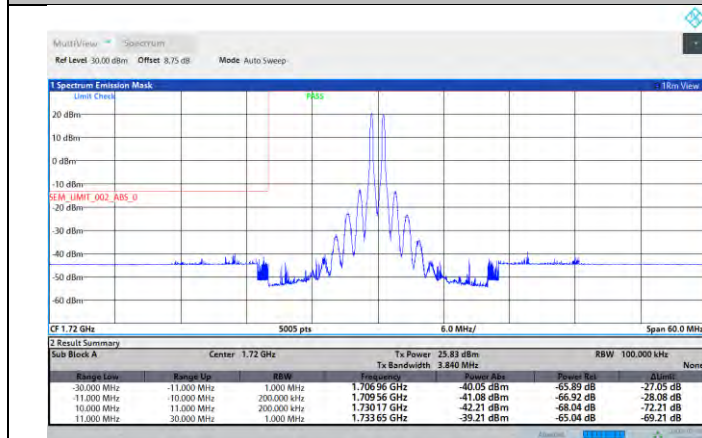
66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#0-1RB#49-PASS



66-66-10MHz-10MHz-16QAM-16QAM-132022-132121-1RB#49-1RB#0-PASS



66-66-10MHz-10MHz-16QAM-16QAM-132022-132121-50RB#0-50RB#0-PASS



66-66-10MHz-10MHz-16QAM-16QAM-132022-132121-1RB#0-1RB#49-PASS

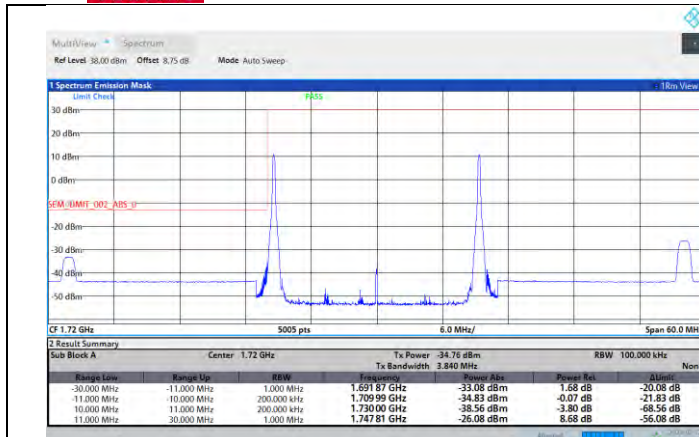


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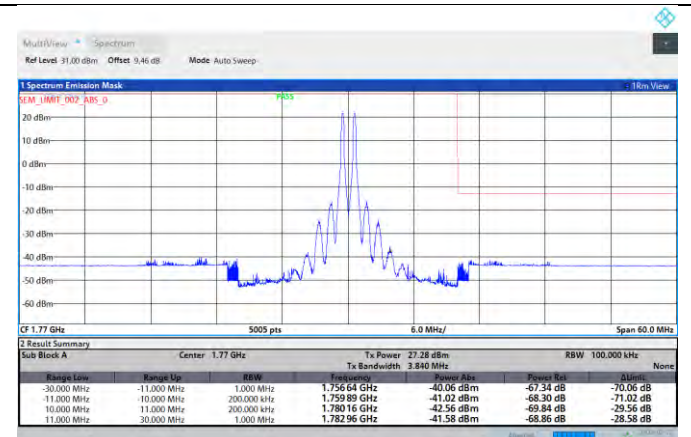


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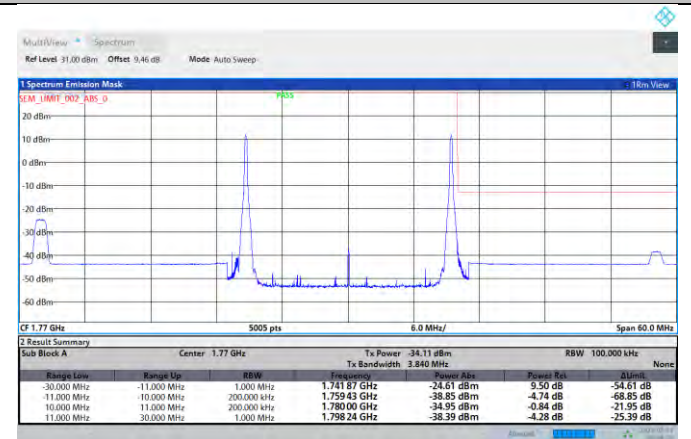
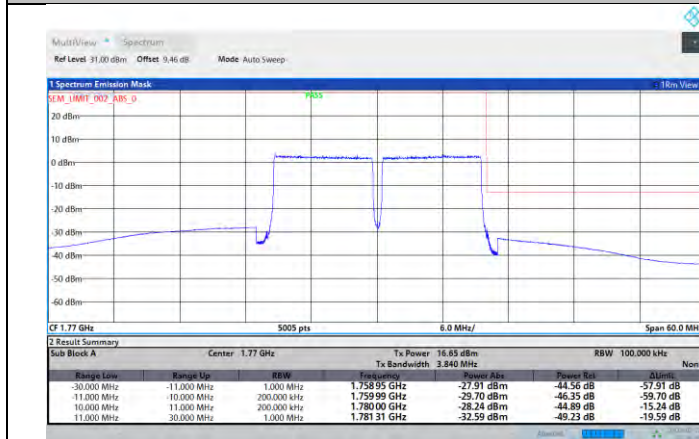
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66-66-10MHz-10MHz-16QAM-16QAM-132523-132622-50RB#0-50RB#0-PASS



66-66-10MHz-10MHz-16QAM-16QAM-132523-132622-1RB#0-1RB#49-PASS



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368 1008



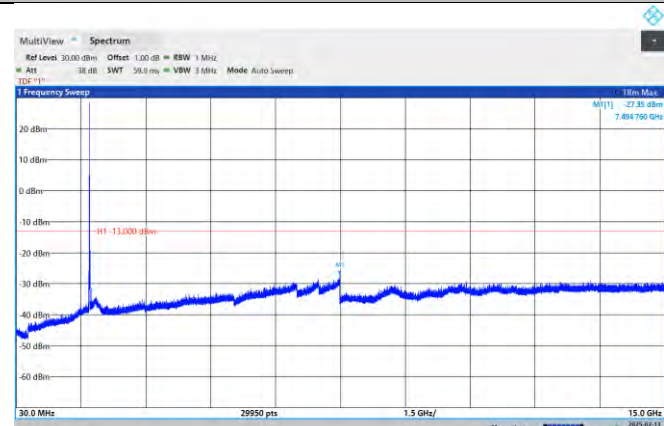
BUREAU VERITAS Test Report No.: PSU-NQN2412090210RF10
CONDUCTED SPURIOUS EMISSION

Test Result

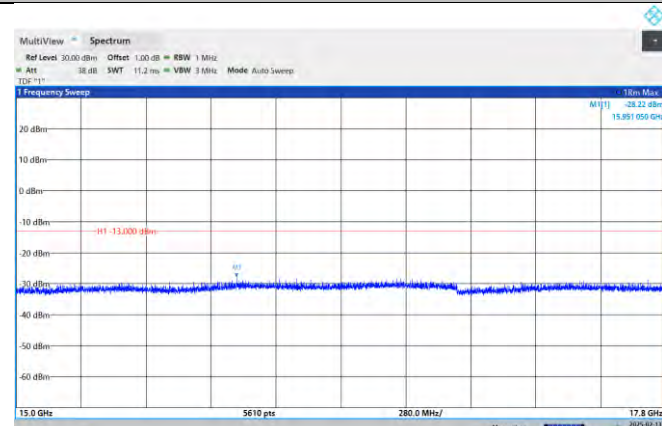
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	1RB#49-1RB#0	30~15000MHz	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132022-132121	1RB#49-1RB#0	15000MHz~17800MHz	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	1RB#49-1RB#0	30~15000MHz	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132373-132472	1RB#49-1RB#0	15000MHz~17800MHz	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	1RB#49-1RB#0	30~15000MHz	See Graph	PASS
66-66	10MHz-10MHz	QPSK-QPSK	132523-132622	1RB#49-1RB#0	15000MHz~17800MHz	See Graph	PASS

Test Graphs

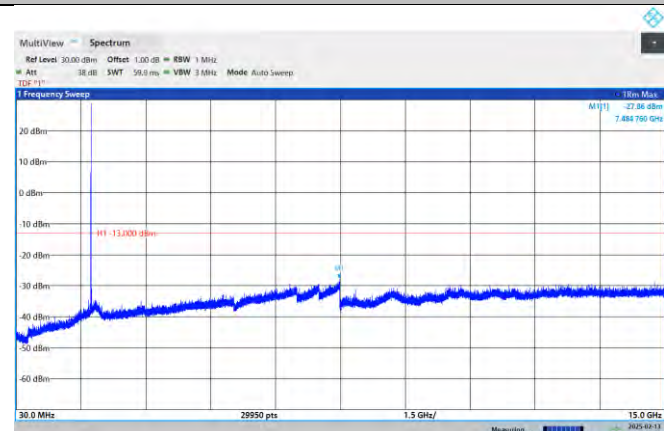
66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#49-1RB#0-30~15000MHz-PASS



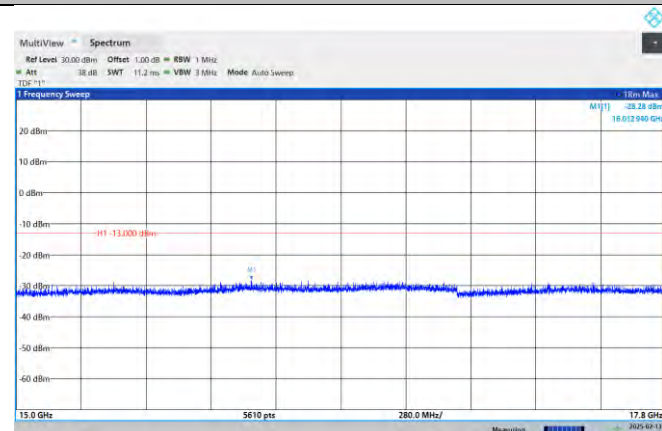
66-66-10MHz-10MHz-QPSK-QPSK-132022-132121-1RB#49-1RB#0-15000~17800MHz-PASS



66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#49-1RB#0-30~15000MHz-PASS

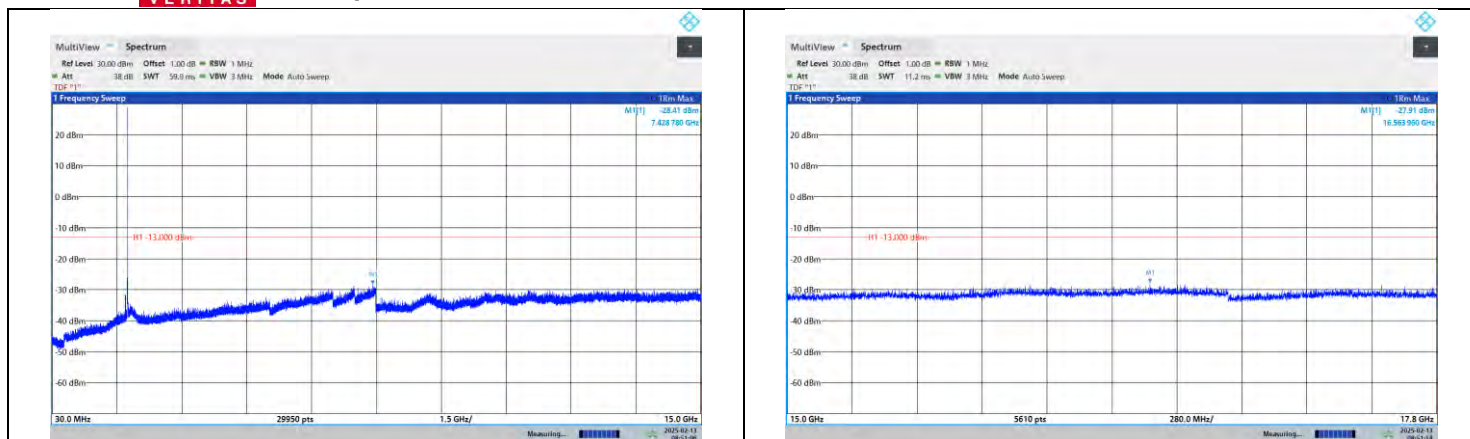


66-66-10MHz-10MHz-QPSK-QPSK-132373-132472-1RB#49-1RB#0-15000~17800MHz-PASS



66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#49-1RB#0-30~15000MHz-PASS

66-66-10MHz-10MHz-QPSK-QPSK-132523-132622-1RB#49-1RB#0-15000~17800MHz-PASS



FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
66-66-10MHz-10MHz	L	VL	NT	16.80	0.0098	±2.5	PASS
66-66-10MHz-10MHz	L	VN	NT	14.70	0.0085	±2.5	PASS
66-66-10MHz-10MHz	L	VH	NT	-0.30	-0.0002	±2.5	PASS
66-66-10MHz-10MHz	M	VL	NT	-24.80	-0.0141	±2.5	PASS
66-66-10MHz-10MHz	M	VN	NT	-19.30	-0.0110	±2.5	PASS
66-66-10MHz-10MHz	M	VH	NT	12.50	0.0071	±2.5	PASS
66-66-10MHz-10MHz	H	VL	NT	20.60	0.0116	±2.5	PASS
66-66-10MHz-10MHz	H	VN	NT	10.10	0.0057	±2.5	PASS
66-66-10MHz-10MHz	H	VH	NT	-30.80	-0.0174	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
66-66-10MHz-10MHz	L	NV	-30	2.20	0.0013	±2.5	PASS
66-66-10MHz-10MHz	L	NV	-20	33.80	0.0197	±2.5	PASS
66-66-10MHz-10MHz	L	NV	-10	-4.30	-0.0025	±2.5	PASS
66-66-10MHz-10MHz	L	NV	0	17.20	0.0100	±2.5	PASS
66-66-10MHz-10MHz	L	NV	10	-16.00	-0.0093	±2.5	PASS
66-66-10MHz-10MHz	L	NV	20	-13.40	-0.0078	±2.5	PASS
66-66-10MHz-10MHz	L	NV	30	-33.60	-0.0195	±2.5	PASS
66-66-10MHz-10MHz	L	NV	40	-13.70	-0.0080	±2.5	PASS
66-66-10MHz-10MHz	L	NV	50	-11.40	-0.0066	±2.5	PASS
66-66-10MHz-10MHz	M	NV	-30	-13.30	-0.0076	±2.5	PASS
66-66-10MHz-10MHz	M	NV	-20	-13.10	-0.0075	±2.5	PASS
66-66-10MHz-10MHz	M	NV	-10	-16.00	-0.0091	±2.5	PASS

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66-66-10MHz-10MHz	M	NV	0	-16.40	-0.0093	±2.5	PASS
66-66-10MHz-10MHz	M	NV	10	-18.50	-0.0105	±2.5	PASS
66-66-10MHz-10MHz	M	NV	20	-12.90	-0.0074	±2.5	PASS
66-66-10MHz-10MHz	M	NV	30	17.30	0.0099	±2.5	PASS
66-66-10MHz-10MHz	M	NV	40	-7.60	-0.0043	±2.5	PASS
66-66-10MHz-10MHz	M	NV	50	6.70	0.0038	±2.5	PASS
66-66-10MHz-10MHz	H	NV	-30	13.90	0.0079	±2.5	PASS
66-66-10MHz-10MHz	H	NV	-20	-11.40	-0.0064	±2.5	PASS
66-66-10MHz-10MHz	H	NV	-10	20.20	0.0114	±2.5	PASS
66-66-10MHz-10MHz	H	NV	0	-9.90	-0.0056	±2.5	PASS
66-66-10MHz-10MHz	H	NV	10	2.40	0.0014	±2.5	PASS
66-66-10MHz-10MHz	H	NV	20	33.60	0.0190	±2.5	PASS
66-66-10MHz-10MHz	H	NV	30	-27.30	-0.0154	±2.5	PASS
66-66-10MHz-10MHz	H	NV	40	2.60	0.0015	±2.5	PASS
66-66-10MHz-10MHz	H	NV	50	4.20	0.0024	±2.5	PASS

66C

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
66-66	20MHz-5MHz	QPSK-QPSK	132072-132189	100RB#0-25RB#0	23.062	24.43	PASS
66-66	20MHz-5MHz	QPSK-QPSK	132397-132514	100RB#0-25RB#0	23.091	24.57	PASS
66-66	20MHz-5MHz	QPSK-QPSK	132522-132639	100RB#0-25RB#0	23.108	24.57	PASS
66-66	20MHz-5MHz	16QAM-16QAM	132072-132189	100RB#0-25RB#0	23.035	24.43	PASS
66-66	20MHz-5MHz	16QAM-16QAM	132397-132514	100RB#0-25RB#0	23.047	24.50	PASS
66-66	20MHz-5MHz	16QAM-16QAM	132522-132639	100RB#0-25RB#0	23.074	24.43	PASS
66-66	15MHz-10MHz	QPSK-QPSK	132047-132167	75RB#0-50RB#0	23.307	24.95	PASS
66-66	15MHz-10MHz	QPSK-QPSK	132373-132493	75RB#0-50RB#0	23.272	24.95	PASS
66-66	15MHz-10MHz	QPSK-QPSK	132499-132619	75RB#0-50RB#0	23.320	25.02	PASS
66-66	15MHz-10MHz	16QAM-16QAM	132047-132167	75RB#0-50RB#0	23.248	24.95	PASS
66-66	15MHz-10MHz	16QAM-16QAM	132373-132493	75RB#0-50RB#0	23.286	24.95	PASS
66-66	15MHz-10MHz	16QAM-16QAM	132499-132619	75RB#0-50RB#0	23.269	24.95	PASS
66-66	20MHz-10MHz	QPSK-QPSK	132072-132216	100RB#0-50RB#0	27.939	29.58	PASS
66-66	20MHz-10MHz	QPSK-QPSK	132373-132517	100RB#0-50RB#0	27.905	29.58	PASS
66-66	20MHz-10MHz	QPSK-QPSK	132473-132617	100RB#0-50RB#0	27.957	29.76	PASS
66-66	20MHz-10MHz	16QAM-16QAM	132072-132216	100RB#0-50RB#0	27.925	29.58	PASS
66-66	20MHz-10MHz	16QAM-16QAM	132373-132517	100RB#0-50RB#0	27.911	29.67	PASS
66-66	20MHz-10MHz	16QAM-16QAM	132473-132617	100RB#0-50RB#0	27.916	29.67	PASS
66-66	10MHz-	QPSK-	132025-	50RB#0-75RB#0	23.277	24.95	PASS



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	15MHz	QPSK	132145				
66-66	10MHz- 15MHz	QPSK- QPSK	132351- 132471	50RB#0-75RB#0	23.293	24.88	PASS
66-66	10MHz- 15MHz	QPSK- QPSK	132477- 132597	50RB#0-75RB#0	23.326	25.02	PASS
66-66	10MHz- 15MHz	16QAM- 16QAM	132025- 132145	50RB#0-75RB#0	23.265	24.88	PASS
66-66	10MHz- 15MHz	16QAM- 16QAM	132351- 132471	50RB#0-75RB#0	23.278	24.80	PASS
66-66	10MHz- 15MHz	16QAM- 16QAM	132477- 132597	50RB#0-75RB#0	23.326	24.88	PASS
66-66	15MHz- 15MHz	QPSK- QPSK	132047- 132197	75RB#0-75RB#0	28.483	30.48	PASS
66-66	15MHz- 15MHz	QPSK- QPSK	132347- 132497	75RB#0-75RB#0	28.468	30.39	PASS
66-66	15MHz- 15MHz	QPSK- QPSK	132447- 132597	75RB#0-75RB#0	28.530	30.39	PASS
66-66	15MHz- 15MHz	16QAM- 16QAM	132047- 132197	75RB#0-75RB#0	28.438	30.39	PASS
66-66	15MHz- 15MHz	16QAM- 16QAM	132347- 132497	75RB#0-75RB#0	28.451	30.48	PASS
66-66	15MHz- 15MHz	16QAM- 16QAM	132447- 132597	75RB#0-75RB#0	28.508	30.48	PASS
66-66	20MHz- 15MHz	QPSK- QPSK	132072- 132243	100RB#0-75RB#0	32.841	34.83	PASS
66-66	20MHz- 15MHz	QPSK- QPSK	132348- 132519	100RB#0-75RB#0	32.773	34.83	PASS
66-66	20MHz- 15MHz	QPSK- QPSK	132423- 132594	100RB#0-75RB#0	32.819	34.83	PASS
66-66	20MHz- 15MHz	16QAM- 16QAM	132072- 132243	100RB#0-75RB#0	32.819	34.83	PASS
66-66	20MHz- 15MHz	16QAM- 16QAM	132348- 132519	100RB#0-75RB#0	32.801	34.72	PASS
66-66	20MHz- 15MHz	16QAM- 16QAM	132423- 132594	100RB#0-75RB#0	32.815	34.72	PASS
66-66	5MHz- 20MHz	QPSK- QPSK	132027- 132171	25RB#0-100RB#0	23.075	24.57	PASS
66-66	5MHz- 20MHz	QPSK- QPSK	132328- 132472	25RB#0-100RB#0	23.037	24.50	PASS
66-66	5MHz- 20MHz	QPSK- QPSK	132428- 132572	25RB#0-100RB#0	23.095	24.50	PASS
66-66	5MHz- 20MHz	16QAM- 16QAM	132027- 132171	25RB#0-100RB#0	23.051	24.35	PASS
66-66	5MHz- 20MHz	16QAM- 16QAM	132328- 132472	25RB#0-100RB#0	22.976	24.43	PASS
66-66	5MHz- 20MHz	16QAM- 16QAM	132428- 132572	25RB#0-100RB#0	23.029	24.35	PASS
66-66	10MHz- 20MHz	QPSK- QPSK	132027- 132171	50RB#0-100RB#0	27.991	29.76	PASS
66-66	10MHz- 20MHz	QPSK- QPSK	132328- 132472	50RB#0-100RB#0	27.890	29.67	PASS
66-66	10MHz- 20MHz	QPSK- QPSK	132428- 132572	50RB#0-100RB#0	27.949	29.76	PASS
66-66	10MHz- 20MHz	16QAM- 16QAM	132027- 132171	50RB#0-100RB#0	27.889	29.58	PASS
66-66	10MHz-	16QAM-	132328-	50RB#0-100RB#0	27.824	29.58	PASS

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368 1008

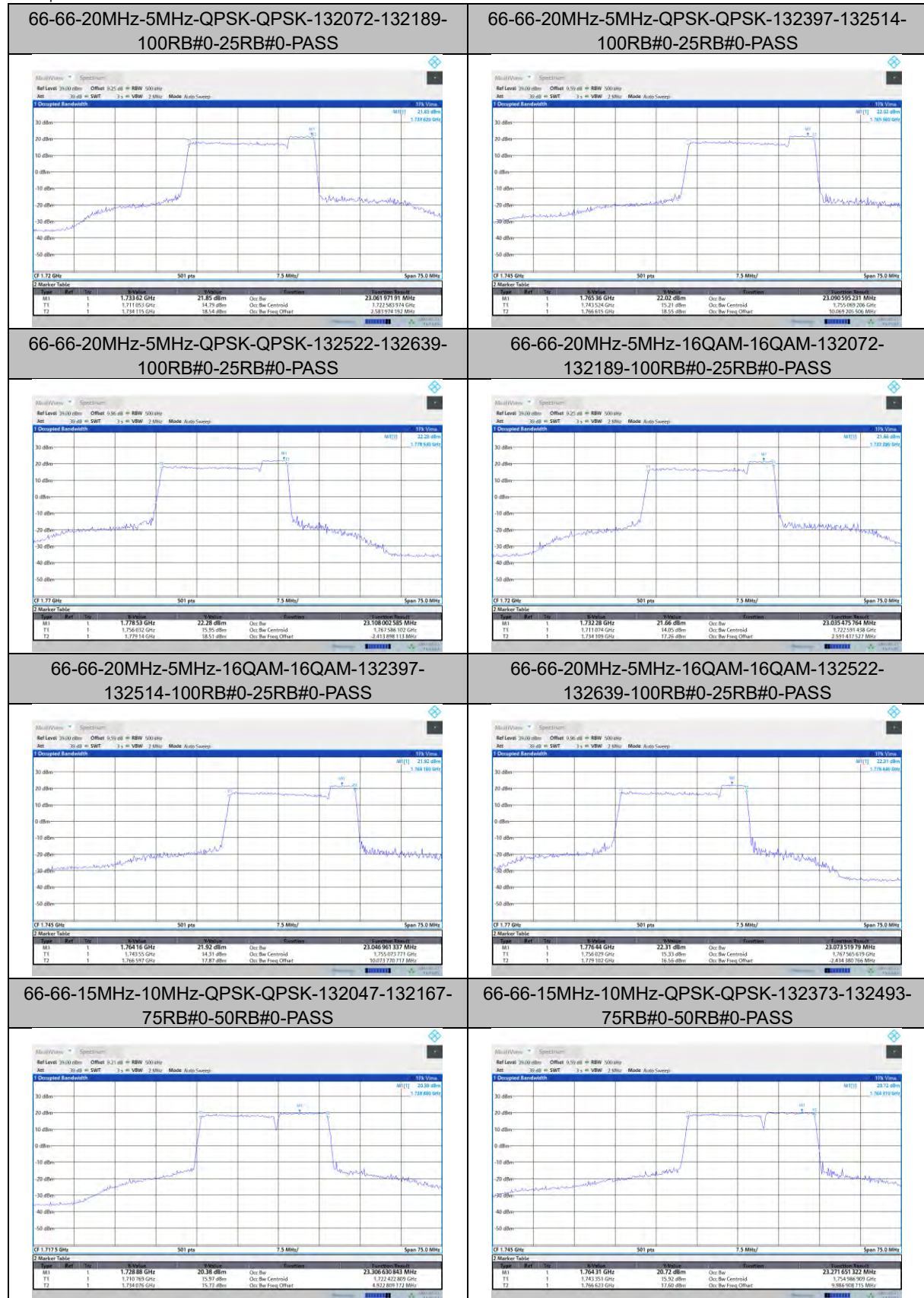
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	20MHz	16QAM	132472				
66-66	10MHz- 20MHz	16QAM- 16QAM	132428- 132572	50RB#0-100RB#0	27.925	29.67	PASS
66-66	15MHz- 20MHz	QPSK- QPSK	132050- 132221	75RB#0-100RB#0	32.838	34.83	PASS
66-66	15MHz- 20MHz	QPSK- QPSK	132325- 132496	75RB#0-100RB#0	32.748	34.72	PASS
66-66	15MHz- 20MHz	QPSK- QPSK	132401- 132572	75RB#0-100RB#0	32.804	34.83	PASS
66-66	15MHz- 20MHz	16QAM- 16QAM	132050- 132221	75RB#0-100RB#0	32.817	34.83	PASS
66-66	15MHz- 20MHz	16QAM- 16QAM	132325- 132496	75RB#0-100RB#0	32.704	34.83	PASS
66-66	15MHz- 20MHz	16QAM- 16QAM	132401- 132572	75RB#0-100RB#0	32.799	34.83	PASS
66-66	20MHz- 20MHz	QPSK- QPSK	132072- 132270	100RB#0- 100RB#0	38.101	39.92	PASS
66-66	20MHz- 20MHz	QPSK- QPSK	132323- 132521	100RB#0- 100RB#0	38.003	39.92	PASS
66-66	20MHz- 20MHz	QPSK- QPSK	132374- 132572	100RB#0- 100RB#0	38.082	39.92	PASS
66-66	20MHz- 20MHz	16QAM- 16QAM	132072- 132270	100RB#0- 100RB#0	38.034	39.92	PASS
66-66	20MHz- 20MHz	16QAM- 16QAM	132323- 132521	100RB#0- 100RB#0	37.915	39.68	PASS
66-66	20MHz- 20MHz	16QAM- 16QAM	132374- 132572	100RB#0- 100RB#0	37.977	39.80	PASS



Test Graphs

Occupied Bandwidth





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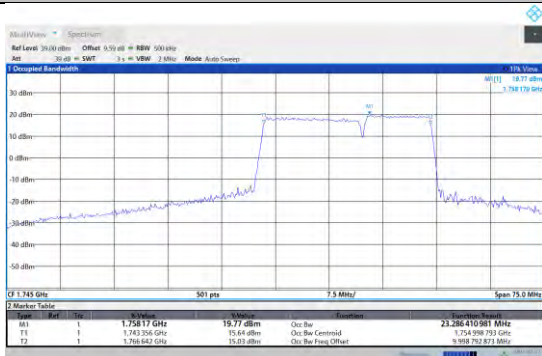
66-66-15MHz-10MHz-QPSK-QPSK-132499-132619-
75RB#0-50RB#0-PASS



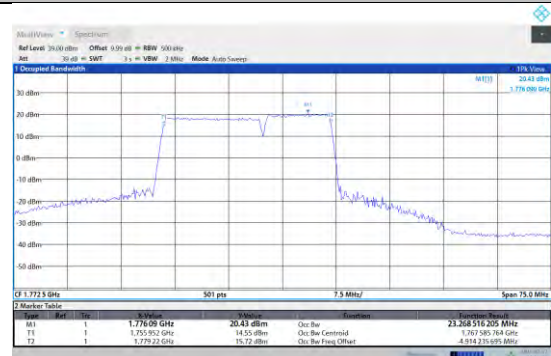
66-66-15MHz-10MHz-16QAM-16QAM-132047-
132167-75RB#0-50RB#0-PASS



66-66-15MHz-10MHz-16QAM-16QAM-132373-
132493-75RB#0-50RB#0-PASS



66-66-15MHz-10MHz-16QAM-16QAM-132499-
132619-75RB#0-50RB#0-PASS



66-66-20MHz-10MHz-QPSK-QPSK-132072-132216-
100RB#0-50RB#0-PASS



66-66-20MHz-10MHz-QPSK-QPSK-132373-132517-
100RB#0-50RB#0-PASS



66-66-20MHz-10MHz-QPSK-QPSK-132473-132617-
100RB#0-50RB#0-PASS



66-66-20MHz-10MHz-16QAM-16QAM-132072-
132216-100RB#0-50RB#0-PASS



66-66-20MHz-10MHz-16QAM-16QAM-132373-
132517-100RB#0-50RB#0-PASS

66-66-20MHz-10MHz-16QAM-16QAM-132473-
132617-100RB#0-50RB#0-PASS

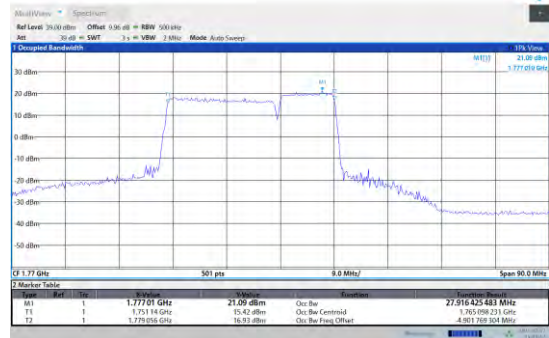


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66-66-10MHz-15MHz-QPSK-QPSK-132125-132145-50RB#0-75RB#0-PASS



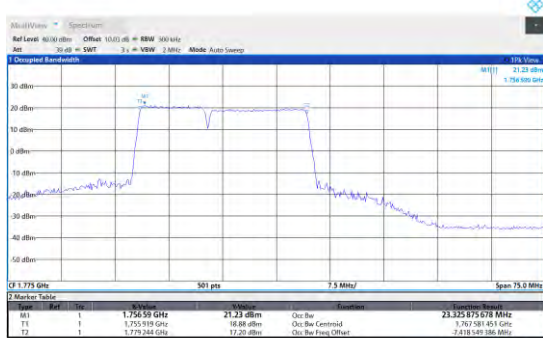
66-66-10MHz-15MHz-QPSK-QPSK-132351-132471-50RB#0-75RB#0-PASS



66-66-10MHz-15MHz-QPSK-QPSK-132477-132597-50RB#0-75RB#0-PASS



66-66-10MHz-15MHz-16QAM-16QAM-132025-132145-50RB#0-75RB#0-PASS



66-66-10MHz-15MHz-16QAM-16QAM-132351-132471-50RB#0-75RB#0-PASS



66-66-10MHz-15MHz-16QAM-16QAM-132477-132597-50RB#0-75RB#0-PASS



66-66-15MHz-15MHz-QPSK-QPSK-132047-132197-75RB#0-75RB#0-PASS



66-66-15MHz-15MHz-QPSK-QPSK-132347-132497-75RB#0-75RB#0-PASS



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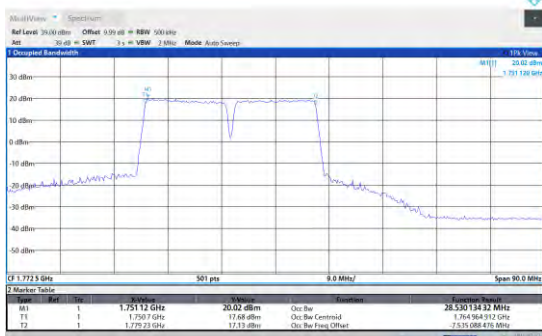
Test Report No.: PSU-NQN2412090210RF10



66-66-15MHz-15MHz-QPSK-QPSK-132447-132597-75RB#0-75RB#0-PASS



66-66-15MHz-15MHz-16QAM-16QAM-132047-132197-75RB#0-75RB#0-PASS



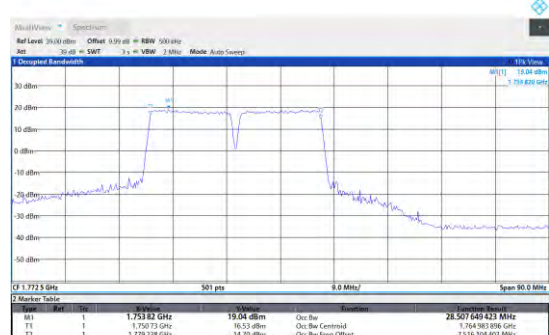
66-66-15MHz-15MHz-16QAM-16QAM-132347-132497-75RB#0-75RB#0-PASS



66-66-15MHz-15MHz-16QAM-16QAM-132447-132597-75RB#0-75RB#0-PASS



66-66-20MHz-15MHz-QPSK-QPSK-132072-132243-100RB#0-75RB#0-PASS



66-66-20MHz-15MHz-QPSK-QPSK-132348-132519-100RB#0-75RB#0-PASS



66-66-20MHz-15MHz-QPSK-QPSK-132423-132594-100RB#0-75RB#0-PASS

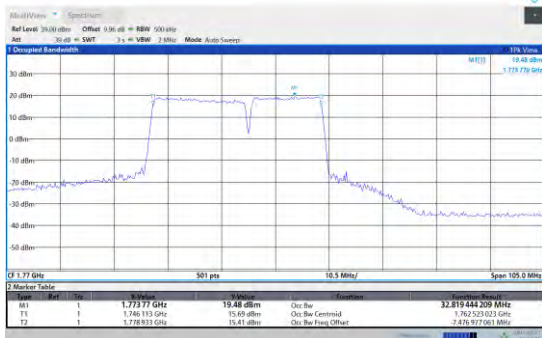


66-66-20MHz-15MHz-16QAM-16QAM-132072-132243-100RB#0-75RB#0-PASS

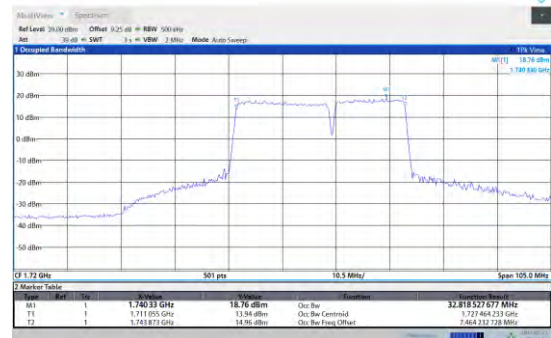


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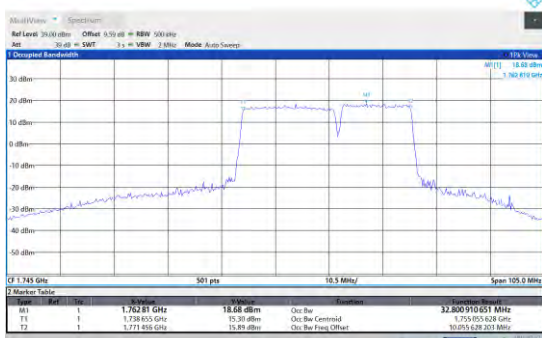
Test Report No.: PSU-NQN2412090210RF10



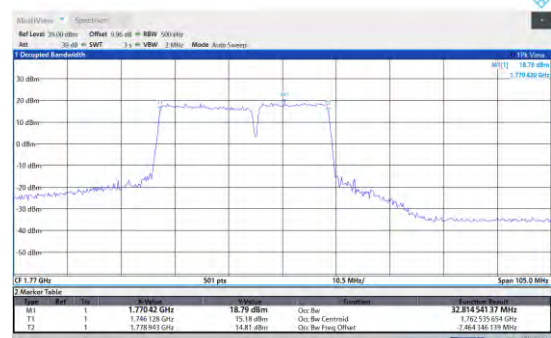
66-66-20MHz-15MHz-16QAM-16QAM-132348-132519-100RB#0-75RB#0-PASS



66-66-20MHz-15MHz-16QAM-16QAM-132423-132594-100RB#0-75RB#0-PASS



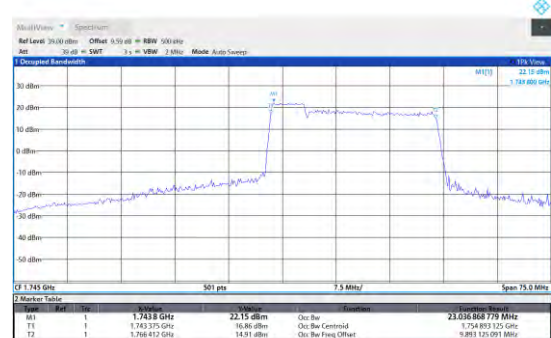
66-66-5MHz-20MHz-QPSK-QPSK-132027-132171-25RB#0-100RB#0-PASS



66-66-5MHz-20MHz-QPSK-QPSK-132328-132472-25RB#0-100RB#0-PASS



66-66-5MHz-20MHz-QPSK-QPSK-132428-132572-25RB#0-100RB#0-PASS



66-66-5MHz-20MHz-16QAM-16QAM-132027-132171-25RB#0-100RB#0-PASS



66-66-5MHz-20MHz-16QAM-16QAM-132328-132472-25RB#0-100RB#0-PASS



66-66-5MHz-20MHz-16QAM-16QAM-132428-132572-25RB#0-100RB#0-PASS