

TEST REPORT

REPORT NUMBER: 25B02W000004-001
ON

Type of Equipment: Smart POS system
Type of Designation: T6831
Brand Name: SUNMI
Manufacturer: Shanghai Sunmi Technology Co.,Ltd.
FCC ID: 2AH25T6831NA
IC: 22621-T6831

ACCORDING TO
FCC 47 CFR Part 2、FCC 47 CFR Part 22、FCC 47 CFR Part 24、FCC 47
CFR Part 27、FCC 47 CFR Part 90、RSS-Gen Issue 5、RSS-130 Issue 2
RSS-132 Issue 4、RSS-133 Issue 7、RSS-139 Issue 4
RSS-140 Issue 1、RSS-195 Issue 2、RSS-199 Issue 4
ANSI C63.26-2015

Chongqing Academy of Information and Communications Technology

Month date, year

Apr.16th, 2025

Signature



Zhou Jin

Director

Note:

The test results in this test report relate only to the devices specified in this report.
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Report No.: 25B02W000004-001

Revision Version

Report Number	Revision	Date
25B02W000004-001	00	2025-04-16

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CONTENTS

1. Test Laboratory	5
1.1. Testing Location	5
1.2. Testing Environment	5
1.3. Project data	5
1.4. Signature	5
2. Client Information	6
2.1. Applicant Information	6
2.2. Manufacturer Information	6
3. Equipment under Test (EUT) and Ancillary Equipment (AE)	7
3.1. About EUT	7
3.2. Internal Identification of EUT used during the test	7
3.3. Outline of Equipment under Test	7
3.4. Internal Identification of AE used during the test	23
4. Reference Documents	24
4.1. Documents supplied by applicant	24
4.2. Reference Documents for testing	24
5. Test Equipments Utilized	26
5.1. RF Test System	26
5.2. RSE Test System	26
5.3. Climate Chamber	27
5.4. Anechoic chamber Vibration table	27
5.5. Test software	27
6. Test Results	28
6.1. Summary of Test Results	28
6.2. Output Power and EIRP/ERP	36
6.3. 99% Occupied Bandwidth	79

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Tel: 0086-23-88069965 FAX: 0086-23-88608777



Report No.: 25B02W000004-001

6.4. 26dB Emission Bandwidth.....	105
6.5. Frequency Stability	128
6.6. Conducted Spurious Emission	138
6.7. Band Edge Compliance	162
6.8. EMISSION LIMIT	216
6.9. Peak-To-Average Power Ratio	246
Annex A EUT Photos	267
Annex B Deviations from Prescribed Test Methods	268

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
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1. Test Laboratory

1.1. Testing Location

Name:	Chongqing Academy of Information and Communications Technology
Designation Number:	CN1239
IC Registration Number:	29397
Address:	No.19EastRoad,Xiantao Big-data Valley,Yubei District,Chongqing,People's Republic of China
Postal Code:	401336
Telephone:	0086-23-88069965
Fax:	0086-23-88608777

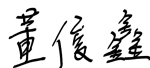
1.2. Testing Environment

Normal Temperature:	15-35°C
Relative Humidity:	30-70%

1.3. Project data

Testing Start Date:	2025-03-12
Testing End Date:	2025-03-27

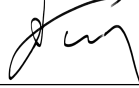
1.4. Signature



2025-04-16

Dong Junxin
(Prepared this test report)

Date



2025-04-16

Wang Lili
(Reviewed this test report)

Date



2025-04-16

Zhou Jin
Director of the laboratory
(Approved this test report)

Date

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2. Client Information

2.1. Applicant Information

Company Name:	Shanghai Sunmi Technology Co.,Ltd.
Address /Post:	Room 505, No.388 Song Hu Road, Yang Pu District, Shanghai, China
City:	Shanghai
Country:	China
Telephone:	18826519551
Fax:	N/A
Email:	chenxuanfei@sunmi.com
Contact Person:	chenxuanfei

2.2. Manufacturer Information

Company Name:	Shanghai Sunmi Technology Co.,Ltd.
Address /Post:	Room 505, No.388, Song Hu Road, Yang Pu District, Shanghai, China
City:	Shanghai
Country:	China
Telephone:	18826519551
Fax:	N/A
Email:	chenxuanfei@sunmi.com
Contact Person:	chenxuanfei

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3. Equipment under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

EUT Description	Smart POS system
Model name	T6831
Brand name	SUNMI
WCDMA Frequency Band	WCDMA Band II/IV/V
LTE Frequency Band	LTE Band 2/4/5/7/12/13/14/17/25/26/30/38/41/66/71
Type of LTE modulation	QPSK/16QAM
Power Class 2	N/A
Power Class 3	LTE Band 2/4/5/7/12/13/14/17/25/26/30/38/41/66/71
HVIN	T6831
Extreme Temperature	-10/+50°C
Nominal Test Voltage	7.7V
Extreme Test High Voltage	8.8V
Extreme Test Low Voltage	6.0V

Note1: Photographs of EUT are shown in ANNEX A of this test report.

Note2: High and low voltage values in extreme condition test are given by manufacturer.

Note3: The Extreme Temperature is provided by the manufacturer and has not been verified by the laboratory.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
25B02W000004#S1	860309070007616'860309070008119	V1.0(NA)	V3.0.1	2025-03-12
25B02W000004#S2	860309070007566'860309070008069	V1.0(NA)	V3.0.1	2025-03-12

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Outline of Equipment under Test

Technology	Band	UL Freq.(MHz)	DL Freq.(MHz)	Note
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Report No.: 25B02W000004-001

4G	2	1850 - 1910	1930-1990	--
4G	4	1710 - 1755	2110-2155	--
4G	5	824 - 849	869-894	--
4G	7	2500 - 2570	2620-2690	--
4G	12	699-716	729-746	--
4G	13	777-787	746-756	--
4G	14	788-798	758-768	--
4G	17	704-716	734-746	--
4G	25	1850-1915	1930-1995	--
4G	26(Part 22)	824-849	869-894	--
4G	26(Part 90)	814-824	859-869	--
4G	30	2305-2315	2350-2360	--
4G	38	2570 - 2620	2570-2620	--
4G	41	2496 - 2690	2496 - 2690	--
4G	41(Note 1)	2500 - 2690	2500 - 2690	--
4G	66	1710-1780	2110-2200	--
4G	71	663-698	617-652	--

Band	BW (MHz)	Low Channel	Low Freq. (MHz)	Mid Channel	Mid Freq. (MHz)	High Channel	High Freq. (MHz)
Band 2	1.4	18607	1850.7	18900	1880	19193	1909.3
	3	18615	1851.5	18900	1880	19185	1908.5
	5	18625	1852.5	18900	1880	19175	1907.5
	10	18650	1855	18900	1880	19150	1905
	15	18675	1857.5	18900	1880	19125	1902.5
	20	18700	1860	18900	1880	19100	1900

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Report No.: 25B02W000004-001

Band	BW (MHz)	Low Channel	Low Freq. (MHz)	Mid Channel	Mid Freq. (MHz)	High Channel	High Freq. (MHz)
Band 4	1.4	19957	1710.7	20175	1732.5	20393	1754.3
	3	19965	1711.5	20175	1732.5	20385	1753.5
	5	19975	1712.5	20175	1732.5	20375	1752.5
	10	20000	1715	20175	1732.5	20350	1750
	15	20025	1717.5	20175	1732.5	20325	1747.5
	20	20050	1720	20175	1732.5	20300	1745
Band 5	1.4	20407	824.7	20525	836.5	20643	848.3
	3	20415	825.5	20525	836.5	20635	847.5
	5	20425	826.5	20525	836.5	20625	846.5
	10	20450	829	20525	836.5	20600	844
Band 7	5	20775	2502.5	21100	2535	21425	2567.5
	10	20800	2505	21100	2535	21400	2565
	15	20825	2507.5	21100	2535	21375	2562.5
	20	20850	2510	21100	2535	21350	2560
Band 12	1.4	23017	699.7	23095	707.5	23173	715.3
	3	23025	700.5	23095	707.5	23165	714.5
	5	23035	701.5	23095	707.5	23155	713.5
	10	23060	704	23095	707.5	23130	711
Band 13	5	23205	779.5	23230	782	23255	784.5
	10	23230	782	23230	782	23230	782
Band 14 (788-798MHz)	5	23305	790.5	23330	793	23355	795.5
	10	23330	793	23330	793	23330	793
Band 17	5	23755	706.5	23790	710	23825	713.5
	10	23780	709	23790	710	23800	711
Band 25	1.4	26047	1850.7	26365	1882.5	26683	1914.3
	3	26055	1851.5	26365	1882.5	26675	1913.5
	5	26065	1852.5	26365	1882.5	26665	1912.5
	10	26090	1855	26365	1882.5	26640	1910
	15	26115	1857.5	26365	1882.5	26615	1907.5
	20	26140	1860	26365	1882.5	26590	1905
Band 26(Part 22) (824-849MHz)	1.4	26797	824.7	26915	836.5	27033	848.3
	3	26805	825.5	26915	836.5	27025	847.5
	5	26815	826.5	26915	836.5	27015	846.5
	10	26840	829	26915	836.5	26990	844
	15	26865	831.5	26915	836.5	26965	841.5
Band 26(Part 90) (814-824MHz)	1.4	26697	814.7	26740	819	26783	823.3
	3	26705	815.5	26740	819	26775	822.5
	5	26715	816.5	26740	819	26765	821.5
	10	/	/	26740	819	/	/

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Report No.: 25B02W000004-001

Band	BW (MHz)	Low Channel	Low Freq. (MHz)	Mid Channel	Mid Freq. (MHz)	High Channel	High Freq. (MHz)
Band 30	5	27685	2307.5	27710	2310	27735	2312.5
	10	27710	2310	27710	2310	27710	2310
Band 38	5	37775	2572.5	38000	2595	38225	2617.5
	10	37800	2575	38000	2595	38200	2615
	15	37825	2577.5	38000	2595	38175	2612.5
	20	37850	2580	38000	2595	38150	2610
Band 41	5	39675	2498.5	40620	2593	41565	2687.5
	10	39700	2501	40620	2593	41540	2685
	15	39725	2503.5	40620	2593	41515	2682.5
	20	39750	2506	40620	2593	41490	2680
Band 41 (Note 1)	5	39715	2502.5	40620	2593	41565	2687.5
	10	39740	2505	40620	2593	41540	2685
	15	39765	2507.5	40620	2593	41515	2682.5
	20	39790	2510	40620	2593	41490	2680
Band66	1.4	131979	1710.7	132322	1745	132665	1779.3
	3	131987	1711.5	132322	1745	132657	1778.5
	5	131997	1712.5	132322	1745	132647	1777.5
	10	132022	1715	132322	1745	132622	1775
	15	132047	1717.5	132322	1745	132597	1772.5
	20	132072	1720	132322	1745	132572	1770
Band 71	5	133147	665.5	133297	680.5	133447	695.5
	10	133172	668	133297	680.5	133422	693
	15	133197	670.5	133297	680.5	133397	690.5
	20	133222	673	133322	683	133372	688

Note 1: This frequency range is only applicable for IC certification.

No.	Maximum of Antenna Gain	Data
1	LTE band 2	-0.84 dBi
2	LTE band 4	0.28 dBi
3	LTE band 5	-0.34 dBi
4	LTE band 7	-0.77 dBi
5	LTE band 12	-1.97 dBi
6	LTE band 13	0.33 dBi

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Report No.: 25B02W000004-001

7	LTE band 14	0.5 dBi
8	LTE band 17	-1.97 dBi
9	LTE band 25	-0.84 dBi
10	LTE band 26 (824-849MHz)	0.38 dBi
11	LTE band 26 (814-824MHz)	0.38 dBi
12	LTE band 30	-0.28 dBi
13	LTE band 38	-1.08 dBi
14	LTE band 41	-0.52 dBi
15	LTE band 66	0.28 dBi
16	LTE band 71	-2.02 dBi

Note: The data of antenna gain is provided by the customer may affect the validity of the test results in this report, and the impact and consequences of this shall be undertaken by the customer.

Emissions Information FDD02

Band	Frequency Min(MHz)	Frequency Max(MHz)	Bandwidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD02	1850.7	1909.3	1.4	QPSK	20.61	0.1151	0.0701	1080	1M08G7D
FDD02	1850.7	1909.3	1.4	16QAM	19.6	0.0912	0.0556	1090	1M09W7D
FDD02	1851.5	1908.5	3	QPSK	20.55	0.1135	0.0692	2690	2M69G7D
FDD02	1851.5	1908.5	3	16QAM	19.67	0.0927	0.0565	2690	2M69W7D
FDD02	1852.5	1907.5	5	QPSK	20.6	0.1148	0.07	4500	4M50G7D
FDD02	1852.5	1907.5	5	16QAM	19.63	0.0918	0.056	4500	4M50W7D
FDD0	1855	1905	10	QPSK	20.53	0.113	0.0689	8940	8M94G7D

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Report No.: 25B02W000004-001

2									
FDD0 2	1855	1905	10	16QAM	19.51	0.0893	0.0545	8940	8M94W7D
FDD0 2	1857.5	1902.5	15	QPSK	20.54	0.1132	0.069	1349 0	13M5G7D
FDD0 2	1857.5	1902.5	15	16QAM	19.62	0.0916	0.0558	1349 0	13M5W7D
FDD0 2	1860	1900	20	QPSK	20.62	0.1153	0.0703	1798 0	18M0G7D
FDD0 2	1860	1900	20	16QAM	19.64	0.092	0.0561	1798 0	18M0W7D

Emissions Information FDD04

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD0 4	1710.7	1754.3	1.4	QPSK	21.75	0.1496	0.0912	1100	1M10G7D
FDD0 4	1710.7	1754.3	1.4	16QAM	20.74	0.1186	0.0723	1090	1M09W7D
FDD0 4	1711.5	1753.5	3	QPSK	21.73	0.1489	0.0908	2690	2M69G7D
FDD0 4	1711.5	1753.5	3	16QAM	20.79	0.1199	0.0731	2690	2M69W7D
FDD0 4	1712.5	1752.5	5	QPSK	21.78	0.1507	0.0918	4470	4M47G7D
FDD0 4	1712.5	1752.5	5	16QAM	20.7	0.1175	0.0716	4500	4M50W7D
FDD0 4	1715	1750	10	QPSK	21.7	0.1479	0.0902	8940	8M94G7D
FDD0 4	1715	1750	10	16QAM	20.62	0.1153	0.0703	8940	8M94W7D
FDD0 4	1717.5	1747.5	15	QPSK	21.76	0.15	0.0914	1349 0	13M5G7D
FDD0 4	1717.5	1747.5	15	16QAM	20.74	0.1186	0.0723	1349 0	13M5W7D

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Report No.: 25B02W000004-001

FDD0 4	1720	1745	20	QPSK	21.8	0.1514	0.0923	1798 0	18M0G7D
FDD0 4	1720	1745	20	16QAM	20.76	0.1191	0.0726	1798 0	18M0W7D

Emissions Information FDD05

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth h (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD0 5	824.7	848.3	1.4	QPSK	21.81	0.1517	0.0925	1090	1M09G7D
FDD0 5	824.7	848.3	1.4	16QAM	20.89	0.1227	0.0748	1090	1M09W7D
FDD0 5	825.5	847.5	3	QPSK	21.83	0.1524	0.0929	2680	2M68G7D
FDD0 5	825.5	847.5	3	16QAM	20.86	0.1219	0.0743	2680	2M68W7D
FDD0 5	826.5	846.5	5	QPSK	21.81	0.1517	0.0925	4470	4M47G7D
FDD0 5	826.5	846.5	5	16QAM	20.89	0.1227	0.0748	4470	4M47W7D
FDD0 5	829	844	10	QPSK	21.86	0.1535	0.0935	8940	8M94G7D
FDD0 5	829	844	10	16QAM	20.86	0.1219	0.0743	8940	8M94W7D

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Emissions Information FDD07

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD07	2502.5	2567.5	5	QPSK	19.93	0.0984	0.06	4500	4M50G7D
FDD07	2502.5	2567.5	5	16QAM	19.07	0.0807	0.0492	4500	4M50W7D
FDD07	2505	2565	10	QPSK	19.87	0.0971	0.0592	8990	8M99G7D
FDD07	2505	2565	10	16QAM	19.05	0.0804	0.049	8940	8M94W7D
FDD07	2507.5	2562.5	15	QPSK	19.9	0.0977	0.0596	13490	13M5G7D
FDD07	2507.5	2562.5	15	16QAM	19.11	0.0815	0.0497	13490	13M5W7D
FDD07	2510	2560	20	QPSK	19.95	0.0989	0.0603	17980	18M0G7D
FDD07	2510	2560	20	16QAM	19.12	0.0817	0.0498	17980	18M0W7D

Emissions Information FDD12

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD12	699.7	715.3	1.4	QPSK	20.27	0.1064	0.0649	1090	1M09G7D
FDD12	699.7	715.3	1.4	16QAM	19.33	0.0857	0.0522	1080	1M08W7D
FDD12	700.5	714.5	3	QPSK	20.21	0.105	0.064	2690	2M69G7D
FDD12	700.5	714.5	3	16QAM	19.32	0.0855	0.0521	2690	2M69W7D
FDD1	701.5	713.5	5	QPSK	20.24	0.1057	0.0644	4500	4M50G7D

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Report No.: 25B02W000004-001

2									
FDD1 2	701.5	713.5	5	16QAM	19.37	0.0865	0.0527	4500	4M50W7D
FDD1 2	704	711	10	QPSK	20.32	0.1076	0.0656	8990	8M99G7D
FDD1 2	704	711	10	16QAM	19.34	0.0859	0.0524	8990	8M99W7D

Emissions Information FDD13

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD1 3	779.5	784.5	5	QPSK	22.37	0.1726	0.1052	4500	4M50G7D
FDD1 3	779.5	784.5	5	16QAM	21.66	0.1466	0.0893	4500	4M50W7D
FDD1 3	782	782	10	QPSK	22.41	0.1742	0.1062	8940	8M94G7D
FDD1 3	782	782	10	16QAM	21.63	0.1455	0.0887	8990	8M99W7D

Emissions Information FDD14

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD1 4	790.5	795.5	5	QPSK	22.59	0.1816	0.1107	4520	4M52G7D
FDD1 4	790.5	795.5	5	16QAM	21.53	0.1422	0.0867	4500	4M50W7D
FDD1 4	793	793	10	QPSK	22.63	0.1832	0.1117	8940	8M94G7D
FDD1 4	793	793	10	16QAM	21.02	0.1265	0.0771	8940	8M94W7D

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Emissions Information FDD17

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD17	706.5	713.5	5	QPSK	20.22	0.1052	0.0641	4470	4M47G7D
FDD17	706.5	713.5	5	16QAM	19.48	0.0887	0.0541	4520	4M52W7D
FDD17	709	711	10	QPSK	20.27	0.1064	0.0649	8940	8M94G7D
FDD17	709	711	10	16QAM	19.61	0.0914	0.0557	8940	8M94W7D

Emissions Information FDD25

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD25	1850.7	1914.3	1.4	QPSK	20.73	0.1183	0.0721	1090	1M09G7D
FDD25	1850.7	1914.3	1.4	16QAM	19.67	0.0927	0.0565	1090	1M09W7D
FDD25	1851.5	1913.5	3	QPSK	20.71	0.1178	0.0718	2690	2M69G7D
FDD25	1851.5	1913.5	3	16QAM	19.65	0.0923	0.0562	2690	2M69W7D
FDD25	1852.5	1912.5	5	QPSK	20.72	0.118	0.0719	4500	4M50G7D
FDD25	1852.5	1912.5	5	16QAM	19.56	0.0904	0.0551	4500	4M50W7D
FDD25	1855	1910	10	QPSK	20.73	0.1183	0.0721	8940	8M94G7D
FDD25	1855	1910	10	16QAM	19.64	0.092	0.0561	8940	8M94W7D

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

FDD2 5	1857.5	1907.5	15	QPSK	20.74	0.1186	0.0723	1349 0	13M5G7D
FDD2 5	1857.5	1907.5	15	16QAM	19.64	0.092	0.0561	1349 0	13M5W7D
FDD2 5	1860	1905	20	QPSK	20.78	0.1197	0.0729	1798 0	18M0G7D
FDD2 5	1860	1905	20	16QAM	19.61	0.0914	0.0557	1789 0	17M9W7D

Emissions Information FDD26(Part 22)

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD2 6	824.7	848.3	1.4	QPSK	22.17	0.1648	0.1005	1090	1M09G7D
FDD2 6	824.7	848.3	1.4	16QAM	21.36	0.1368	0.0834	1090	1M09W7D
FDD2 6	825.5	847.5	3	QPSK	22.18	0.1652	0.1007	2680	2M68G7D
FDD2 6	825.5	847.5	3	16QAM	21.26	0.1337	0.0815	2690	2M69W7D
FDD2 6	826.5	846.5	5	QPSK	22.22	0.1667	0.1016	4470	4M47G7D
FDD2 6	826.5	846.5	5	16QAM	21.2	0.1318	0.0804	4470	4M47W7D
FDD2 6	829	844	10	QPSK	22.18	0.1652	0.1007	8940	8M94G7D
FDD2 6	829	844	10	16QAM	21.31	0.1352	0.0824	8940	8M94W7D
FDD2 6	831.5	841.5	15	QPSK	22.25	0.1679	0.1023	1341 0	13M4G7D
FDD2 6	831.5	841.5	15	16QAM	21.33	0.1358	0.0828	1349 0	13M5W7D

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Emissions Information FDD26(PART 90)

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD26	814.7	823.3	1.4	QPSK	22.48	0.177	0.1079	1090	1M09G7D
FDD26	814.7	823.3	1.4	16QAM	21.79	0.151	0.092	1090	1M09W7D
FDD26	815.5	822.5	3	QPSK	22.46	0.1762	0.1074	2690	2M69G7D
FDD26	815.5	822.5	3	16QAM	21.78	0.1507	0.0918	2690	2M69W7D
FDD26	816.5	821.5	5	QPSK	22.5	0.1778	0.1084	4500	4M50G7D
FDD26	816.5	821.5	5	16QAM	21.74	0.1493	0.091	4500	4M50W7D
FDD26	819	819	10	QPSK	22.57	0.1807	0.1102	8940	8M94G7D
FDD26	819	819	10	16QAM	21.32	0.1355	0.0826	8940	8M94W7D

Emissions Information FDD30

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD30	2307.5	2312.5	5	QPSK	21.11	0.1291	0.0787	4500	4M50G7D
FDD30	2307.5	2312.5	5	16QAM	20.32	0.1076	0.0656	4500	4M50W7D
FDD30	2310	2310	10	QPSK	21.13	0.1297	0.0791	8940	8M94G7D
FDD30	2310	2310	10	16QAM	20.56	0.1138	0.0693	8940	8M94W7D

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Emissions Information TDD38

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
TDD38	2572.5	2617.5	5	QPSK	20.09	0.1021	0.0622	4520	4M52G7D
TDD38	2572.5	2617.5	5	16QAM	18.91	0.0778	0.0474	4470	4M47W7D
TDD38	2575	2615	10	QPSK	20.06	0.1014	0.0618	8940	8M94G7D
TDD38	2575	2615	10	16QAM	18.91	0.0778	0.0474	8940	8M94W7D
TDD38	2577.5	2612.5	15	QPSK	20.08	0.1019	0.0621	13490	13M5G7D
TDD38	2577.5	2612.5	15	16QAM	18.98	0.0791	0.0482	13490	13M5W7D
TDD38	2580	2610	20	QPSK	20.11	0.1026	0.0625	17890	17M9G7D
TDD38	2580	2610	20	16QAM	18.94	0.0783	0.0478	17890	17M9W7D

Emissions Information TDD41

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
TDD41	2498.5	2687.5	5	QPSK	19.05	0.0804	0.049	4470	4M47G7D
TDD41	2498.5	2687.5	5	16QAM	18.04	0.0637	0.0388	4470	4M47W7D
TDD41	2501	2685	10	QPSK	19.03	0.08	0.0488	8990	8M99G7D
TDD41	2501	2685	10	16QAM	18.01	0.0632	0.0385	8940	8M94W7D
TDD41	2503.5	2682.5	15	QPSK	19.06	0.0805	0.0491	1349	13M5G7D

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

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TDD4 1	2503.5	2682.5	15	16QAM	18.11	0.0647	0.0394	1349 0	13M5W7D
TDD4 1	2506	2680	20	QPSK	19.1	0.0813	0.0495	1798 0	18M0G7D
TDD4 1	2506	2680	20	16QAM	18.07	0.0641	0.0391	1798 0	18M0W7D

Emissions Information TDD41(Note 1)

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
TDD4 1	2502.5	2687.5	5	QPSK	19.05	0.0804	0.049	4470	4M47G7D
TDD4 1	2502.5	2687.5	5	16QAM	18.04	0.0637	0.0388	4470	4M47W7D
TDD4 1	2505	2685	10	QPSK	19.03	0.08	0.0488	8990	8M99G7D
TDD4 1	2505	2685	10	16QAM	18.01	0.0632	0.0385	8940	8M94W7D
TDD4 1	2507.5	2682.5	15	QPSK	19.06	0.0805	0.0491	1349 0	13M5G7D
TDD4 1	2507.5	2682.5	15	16QAM	18.11	0.0647	0.0394	1349 0	13M5W7D
TDD4 1	2510	2680	20	QPSK	19.1	0.0813	0.0495	1798 0	18M0G7D
TDD4 1	2510	2680	20	16QAM	18.07	0.0641	0.0391	1798 0	18M0W7D

Note 1: This frequency range(2500-2690MHz) is only applicable for IC certification.

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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Emissions Information FDD66

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD66	1710.7	1779.3	1.4	QPSK	21.83	0.1524	0.0929	1090	1M09G7D
FDD66	1710.7	1779.3	1.4	16QAM	20.92	0.1236	0.0753	1090	1M09G7D
FDD66	1711.5	1778.5	3	QPSK	21.8	0.1514	0.0923	2680	2M68G7D
FDD66	1711.5	1778.5	3	16QAM	20.98	0.1253	0.0764	2690	2M69W7D
FDD66	1712.5	1777.5	5	QPSK	21.79	0.151	0.092	4470	4M47G7D
FDD66	1712.5	1777.5	5	16QAM	20.94	0.1242	0.0757	4500	4M50W7D
FDD66	1715	1775	10	QPSK	21.83	0.1524	0.0929	8940	8M94G7D
FDD66	1715	1775	10	16QAM	20.86	0.1219	0.0743	8990	8M99W7D
FDD66	1717.5	1772.5	15	QPSK	21.81	0.1517	0.0925	13490	13M5G7D
FDD66	1717.5	1772.5	15	16QAM	20.93	0.1239	0.0755	13490	13M5W7D
FDD66	1720	1770	20	QPSK	21.87	0.1538	0.0938	17980	18M0G7D
FDD66	1720	1770	20	16QAM	20.95	0.1245	0.0759	17980	18M0W7D

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Emissions Information FDD71

Band	Frequency Min(MHz)	Frequency Max(MHz)	BandWidth (MHz)	Modulation	Max OutPut Power EIRP(dBm)	Max OutPut Power EIRP(W)	Max OutPut Power ERP(W)	OBW (KHz)	Necessary Bandwidth & Emission Classification
FDD71	665.5	695.5	5	QPSK	19.92	0.0982	0.0598	4470	4M47G7D
FDD71	665.5	695.5	5	16QAM	19.29	0.0849	0.0518	4500	4M50W7D
FDD71	668	693	10	QPSK	19.89	0.0975	0.0594	8940	8M94G7D
FDD71	668	693	10	16QAM	19.24	0.0839	0.0512	8990	8M99W7D
FDD71	670.5	690.5	15	QPSK	19.9	0.0977	0.0596	13410	13M4G7D
FDD71	670.5	690.5	15	16QAM	19.26	0.0843	0.0514	13490	13M5W7D
FDD71	673	688	20	QPSK	19.94	0.0986	0.0601	17980	18M0G7D
FDD71	673	688	20	16QAM	19.3	0.0851	0.0519	17980	18M0W7D

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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

3.4. Internal Identification of AE used during the test

AE ID*	Description	Model	SN/Remark
25B02W000004#AE1	RF Cable	0.5dB	N/A
25B02W000004#CA01	Adapter	TPA-141A050200UU01	Shenzhen Tianyin Electronics Co., Ltd. OUTPUT: 5V 2A
25B02W000004#CB01	Adapter	TPA-23A050200UU01	Shenzhen Tianyin Electronics Co., Ltd. OUTPUT: 5V 2A
25B02W000004#CC01	Adapter	UC13US	Jiangsu Chenyang Electron Co., Ltd. OUTPUT: 5V 2A
25B02W000004#UA01	AC Cable	N/A	N/A
25B02W000004#BA01	Battery	HPPA	Guangdong Highpower New Energy Technology Co., Ltd. 2550mAH 7.7V
NOTE1: AE ID is the internal identification code of the laboratory.			

4. Reference Documents

4.1. Documents supplied by applicant

PICS/PIXIT, referring to Annex B for detailed information, is supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC 47 CFR Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	--
FCC 47 CFR Part 22	CELLULAR RADIOTELEPHONE SERVICE	--
FCC 47 CFR Part 24	BROADBAND PCS	--
FCC 47 CFR Part 27	Miscellaneous wireless communications services	--
FCC 47 CFR Part 90	Private Land Mobile Radio Services	--
RSS-Gen Issue 5	RSS-Gen —General Requirements For Compliance Of Radio Apparatus	2021-02
RSS-130 Issue 2	Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz, 698-756 MHz and 777-787 MHz	2019-02
RSS-132 Issue 4	Cellular Telephone Systems Operating in the Bands 824-849 MHz and 869-894 MHz	2023-01
RSS-133 Issue 7	Personal Communications Service Equipment Operating in the Bands 1850-1915 MHz and 1930-1995 MHz	2024-07
RSS-139 Issue 4	Advanced Wireless Services Equipment Operating in the Bands 1710-1780 MHz and 2110-2200 MHz	2022-09

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

RSS-140 Issue 1	Equipment Operating In The Public Safety Broadband Frequency Bands 758- 768 Mhz And 788- 798 Mhz	2018-04
RSS-195 Issue 2	Wireless Communication Service (WCS) Equipment Operating In The Bands 2305-2320 Mhz And 2345-2360 Mhz	2014-04
RSS-199 Issue 4	Broadband Radio Service (BRS) Equipment Operating in the Band 2500-2690 MHz	2023-07
ANSI C63.26	American National Standard Of Procedures For Compliance Testing Of Licensed Transmitters Used In Licensed Radio	2015
KDB 971168 D01	Measurement Guidance For Certification Of Licensed Digital Transmitters	v03r01
Note: The standard of FCC 47 CFR Part 2 and KDB 971168 D01 Power Meas License Digital Systems have not been accredited by A2LA.		

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Tel: 0086-23-88069965 FAX:0086-23-88608777

5. Test Equipments Utilized

5.1. RF Test System

No.	Equipment	Model	SN	HW Version	SW Version	Manufacture	Cal. Interval	Cal. Due Date
1	Spectrum analyzer	FSQ 26	201137	--	--	R&S	1 Year	2025-06-28
2	Spectrum analyzer	FSW43	104299	--	--	R&S	1 Year	2025-06-28
3	DC Power Supply	62015L-60-6	L02000001587	--	--	Chroma	1 Year	2025-06-28
4	Universal Radio Communication Tester	CMW500	166779	--	--	R&S	1 Year	2025-06-28
5	Microstrip power divider	XBGF-G2A01-N	200827-4-3	--	--	Xi'an Xingbo Electronic Technology Co., Ltd	--	--

5.2. RSE Test System

No.	Equipment	Model	SN	HW Version	SW Version	Manufacture	Cal. Due Date
1	Universal Radio Communication Tester	CMW500	128181	--	--	R&S	2025-06-28
2	Test Receiver	ESU40	100350	01	4.43 SP3	R&S	2025-06-28
3	Ultra-wideband Log Periodic Antenna	VULB 9163	9163-586	--	--	Schwarzbeck	2026-10-28
4	Double Ridged Guide Antenna	9120D	9120D-1103	--	--	Schwarzbeck	2026-05-13
5	Ultra-wideband Log Periodic Antenna	VULB 9163	00995	--	--	Schwarzbeck	2025-09-11
6	Double Ridged Guide Antenna	9120D	9120D-1083	--	--	Schwarzbeck	2026-11-08
7	High gain horn antenna	DATE 1152	LM7127			ETS	2026-09-30
8	Generator	SMU 200A	104517	--	--	R&S	2025-06-28
9	Amplifier1	SCU-08F1	8320027	--	--	R&S	--
10	Amplifier2	SCU-18F	180093	--	--	R&S	--

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

11	Test Receiver	ESW 26	101382	00	1.50 SP1	R&S	2025-06-28
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5.3. Climate Chamber

No.	Name	Type	SN	HW Version	SW Version	Manufacture	Cal. Interv al	Cal.Due Date
1	High and low temperature box	VT40 02	5186027 2202300 3	--	--	KQSN	1 Year	2025-06-28

5.4. Anechoic chamber Vibration table

No.	Name	Type	SN	HW Version	SW Version	Manufacture	Cal.Due Date
1	Fully-Anechoic Chamber	FAC-5	--	--	--	TDK	2026-07-29
2	Anechoic Chamber	SAC-10	--	--	--	TDK	2026-07-26

5.5. Test software

No.	Name	version	SN	Manufacture
1	EMC32	V9.26.01	--	R&S
2	EMC 32	V10.20.01	--	R&S
3	2/3/4G-FCC/IC automated testing software	V2.1.5	--	Beijing Zhiwang Xince Technology Co., Ltd

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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

6. Test Results

6.1. Summary of Test Results

A brief summary of the tests carried out is shown as following.

LTE Band 2

FCC Rules	IC Rules	Name of Test	Result
2.1046/24.232(c)	RSS-133 5.5	Output Power/EIRP	PASS
2.1053/24.238(a)	RSS-133 5.6	Emission Limit	PASS
2.1055/24.235	RSS-133 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/24.238(a)	RSS-133 5.6	Band Edge Compliance	PASS
2.1051/24.238(a)	RSS-133 5.6	Conducted Spurious Emission	PASS
24.232 (d)	RSS-133 5.5	Peak to Average Power Ratio	PASS

LTE Band 4

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(d)(4)	RSS-139 5.5	Output Power/EIRP	PASS
2.1053/27.53(h)	RSS-139 5.6	Emission Limit	PASS
2.1055/27.54	RSS-139 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(h)	RSS-139 5.6	Band Edge Compliance	PASS
2.1051/27.53(h)	RSS-139 5.6	Conducted Spurious Emission	PASS
27.50(d)(5)	RSS-139 5.5	Peak to Average Power Ratio	PASS

Chongqing Academy of Information and Communications Technology

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

LTE Band 5

FCC Rules	IC Rules	Name of Test	Result
2.1046/22.913(a)	RSS-132 5.4	Output Power/ERP	PASS
2.1053/22.917(a)	RSS-132 5.5	Emission Limit	PASS
2.1055/22.355	RSS-132 5.3	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/22.917(a)	RSS-132 5.5	Band Edge Compliance	PASS
2.1051/22.917(a)	RSS-132 5.5	Conducted Spurious Emission	PASS
N/A	RSS-132 5.4	Peak to Average Power Ratio	PASS

LTE Band 7

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(h)	RSS-199 5.5	Output Power/EIRP	PASS
2.1053/27.53(m)	RSS-199 5.6	Emission Limit	PASS
2.1055/27.54	RSS-199 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(m)	RSS-199 5.6	Band Edge Compliance	PASS
2.1051/27.53(m)	RSS-199 5.6	Conducted Spurious Emission	PASS
N/A	RSS-199 5.5	Peak to Average Power Ratio	PASS

LTE Band 12

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(c)(10)	RSS 130 4.6	Output Power/ERP	PASS

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

2.1053/27.53(g)	RSS 130 4.7	Emission Limit	PASS
2.1055/27.54	RSS 130 4.5	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(g)	RSS 130 4.7	Band Edge Compliance	PASS
2.1051/27.53(g)	RSS 130 4.7	Conducted Spurious Emission	PASS
N/A	RSS 130 4.6	Peak to Average Power Ratio	PASS

LTE Band 13

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(b)(10)	RSS 130 4.6	Output Power/ERP	PASS
2.1053/27.53(c)(2)/27.53(f)	RSS 130 4.7	Emission Limit	PASS
2.1055/27.54	RSS 130 4.5	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(c)(2)/27.53(f)	RSS 130 4.7	Band Edge Compliance	PASS
2.1051/27.53(c)(2)/27.53(f)	RSS 130 4.7	Conducted Spurious Emission	PASS
N/A	RSS 130 4.6	Peak to Average Power Ratio	PASS

LTE Band 14

FCC Rules	IC Rules	Name of Test	Result
2.1046/90.542(a)(7)	RSS 140 4.3	Output Power and EIRP/ERP	PASS
2.1053/90.543(e)/90.543(f)	RSS 140 4.4	Emission Limit	PASS
2.1055/90.539	RSS 140 4.2	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/90.543(e)/90.543(f)	RSS 140 4.4	Band Edge Compliance	PASS
2.1051/90.543(e)/90.543(f)	RSS 140 4.4	Conducted Spurious Emission	PASS
N/A	RSS 140 4.3	Peak to Average Power Ratio	PASS

LTE Band 17

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(c)(10)	RSS 130 4.6	Output Power/ERP	PASS
2.1053/27.53(g)	RSS 130 4.7	Emission Limit	PASS
2.1055/27.54	RSS 130 4.5	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(g)	RSS 130 4.7	Band Edge Compliance	PASS
2.1051/27.53(g)	RSS 130 4.7	Conducted Spurious Emission	PASS
N/A	RSS 130 4.6	Peak to Average Power Ratio	PASS

LTE Band 25

FCC Rules	IC Rules	Name of Test	Result
2.1046/24.232(c)	RSS-133 5.5	Output Power and EIRP/ERP	PASS
2.1053/24.238(a)	RSS-133 5.6	Emission Limit	PASS
2.1055/24.235	RSS-133 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/24.238(a)	RSS-133 5.6	Band Edge Compliance	PASS
2.1051/24.238(a)	RSS-133 5.6	Conducted Spurious Emission	PASS

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

24.232 (d)	RSS-133 5.5	Peak to Average Power Ratio	PASS
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LTE Band 26(Part 22)

FCC Rules	IC Rules	Name of Test	Result
2.1046/22.913(a)	RSS-132 5.4	Output Power/ERP	PASS
2.1053/22.917(a)	RSS-132 5.5	Emission Limit	PASS
2.1055/22.355	RSS-132 5.3	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/22.917(a)	RSS-132 5.5	Band Edge Compliance	PASS
2.1051/22.917(a)	RSS-132 5.5	Conducted Spurious Emission	PASS
N/A	RSS-132 5.4	Peak to Average Power Ratio	PASS

LTE Band 26(Part 90)

FCC Rules	IC Rules	Name of Test	Result
2.1046/90.635(b)	N/A	Output Power and EIRP/ERP	PASS
2.1053/90.691	N/A	Emission Limit	PASS
2.1055/90.213(a)	N/A	Frequency Stability	PASS
2.1049	N/A	Occupied Bandwidth	PASS
2.1049	N/A	26dB Emission Bandwidth	PASS
2.1051/90.691	N/A	Band Edge Compliance	PASS
2.1051/90.691	N/A	Conducted Spurious Emission	PASS
N/A	N/A	Peak to Average Power Ratio	PASS

LTE Band 30

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(a)	RSS-195 5.5	Output Power and EIRP/ERP	PASS
2.1053/27.53(a)	RSS-195 5.6	Emission Limit	PASS
2.1055/27.54	RSS-195 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	26dB Emission Bandwidth	PASS
2.1051/27.53(a)	RSS-195 5.6	Band Edge Compliance	PASS
2.1051/27.53(a)	RSS-195 5.6	Conducted Spurious Emission	PASS
27.5	RSS-195 5.5	Peak to Average Power Ratio	PASS

LTE Band 38

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(h)	RSS 199 5.5	Output Power/EIRP	PASS
2.1053/27.53(m)	RSS 199 5.6	Emission Limit	PASS
2.1055/27.54	RSS 199 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(m)	RSS 199 5.6	Band Edge Compliance	PASS
2.1051/27.53(m)	RSS 199 5.6	Conducted Spurious Emission	PASS
N/A	RSS 199 5.5	Peak to Average Power Ratio	PASS

LTE Band 41

FCC Rules	IC Rules	Name of Test	Result
2.1046/27.50(h)	RSS 199 5.5	Output Power/EIRP	PASS
2.1053/27.53(m)	RSS 199 5.6	Emission Limit	PASS

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

2.1055/27.54	RSS 199 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(m)	RSS 199 5.6	Band Edge Compliance	PASS
2.1051/27.53(m)	RSS 199 5.6	Conducted Spurious Emission	PASS
N/A	RSS 199 5.5	Peak to Average Power Ratio	PASS

LTE Band 66

FCC Rules	IC Rules	Name of Test	Result
27.50(d)(4)	RSS-139 5.5	Output Power/EIRP	PASS
2.1053/27.53(h)	RSS-139 5.6	Emission Limit	PASS
2.1055/27.54	RSS-139 5.4	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS
2.1051/27.53(h)	RSS-139 5.6	Band Edge Compliance	PASS
2.1051/27.53(h)	RSS-139 5.6	Conducted Spurious Emission	PASS
27.50(d)(5)	RSS-139 5.5	Peak to Average Power Ratio	PASS

LTE Band 71

FCC Rules	IC Rules	Name of Test	Result
27.50(c)(10)	RSS 130 4.6	Output Power/EIRP	PASS
2.1053/27.53(g)	RSS 130 4.7	Emission Limit	PASS
2.1055/27.54	RSS 130 4.5	Frequency Stability	PASS
2.1049	RSS-GEN 6.7	Occupied Bandwidth	PASS
2.1049	RSS-GEN 6.7	Emission Bandwidth	PASS

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

2.1051/27.53(g)	RSS 130 4.7	Band Edge Compliance	PASS
2.1051/27.53(g)	RSS 130 4.7	Conducted Spurious Emission	PASS
N/A	RSS 130 4.6	Peak to Average Power Ratio	PASS

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

6.2. Output Power and EIRP/ERP

Specifications:	FCC Part 22.913(a) (5)/ 24.232(c)/27.50(a)/ 27.50(b)(10)/ 27.50(c)(10) / 27.50(d) (4)/ 27.50(h)/90.635(b)/90.542(a)(7) RSS-130 4.6, RSS-132 5.4, RSS-133 5.5, RSS-139 5.5, RSS-140 4.3, RSS-195 5.5
DUT Serial Number:	25B02W000004#S2
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	Pass

6.2.1. Measurement Limit

FCC §22.913(a) (5) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.
FCC §24.232(c) Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

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

FCC §90.542(a)(7) Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

FCC §27.50(a) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

FCC §27.50(b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

FCC §27.50(c)(10) Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

FCC §27.50(d) (4) Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz band is limited to 1 watt EIRP.

FCC §27.50(h):Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

RSS 130 4.6 Frequency bands 698-756 MHz and 777-787 MHz

The e.r.p. shall not exceed 30 watts for mobile equipment and outdoor fixed subscriber equipment. The e.r.p. shall not exceed 3 watts for portable equipment and indoor fixed subscriber equipment.

For base and fixed equipment other than fixed subscriber equipment, refer to SRSP-518 for the e.i.r.p.

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

limits.

RSS-132 5.4 The transmitter output power shall be measured in terms of average power. The equivalent radiated power (e.r.p.) shall not exceed 7 watts for mobile equipment and 3 watts for portable equipment.

RSS-133 5.5 The maximum power spectral density of the equipment, measured in terms of average values, shall comply with the limits specified below. Equipment type: Subscriber equipment, Maximum power spectral density: 2 W /channel bandwidth e.i.r.p.

RSS-139 5.5 The maximum output power of the equipment shall comply with the limits specified below. In the tables, maximum power refers to the equivalent isotropically radiated power (e.i.r.p.) or total radiated power (TRP), measured in terms of average value. Equipment type: Subscriber equipment, Maximum power spectral density: 30 dBm e.i.r.p./channel bandwidth.

RSS-199 5.5 The maximum output power of the equipment shall comply with the limits specified in table 3. In this table, maximum power refers to the equivalent isotropically radiated power (e.i.r.p.) or total radiated power (TRP), measured in terms of average values.

Subscriber equipment other than fixed subscriber equipment shall not exceed an e.i.r.p of 2W per channel bandwidth.

RSS-140 4.3 The e.r.p. for portable equipment including handheld devices shall not exceed 3 W.

RSS-195 5.5 The e.i.r.p. of mobile or portable equipment transmitting in the band 2305-2315 MHz or the band 2350-2360 MHz, employing 3GPP LTE (Third Generation Partnership Project Long Term Evolution) standards, shall not exceed 250 mW within any 5 MHz bandwidth. For other technologies, the e.i.r.p. shall not exceed 50 mW within any 1 MHz bandwidth

6.2.2. Method of Measurements

Method of measurements please refer to KDB971168 D01 v03 clause 5.

The EUT was set up for the max output power with pseudo random data modulation.

The power was measured with Rhode & Schwarz base station CMW500.

These measurements were done at 3 frequencies.(bottom, middle and top of operational frequency range).

1. The transmitter output port was connected to base station.
2. Set the EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record maximum average power for other modulation signal.
5. During the process of testing, the EUT was controlled Rhode & Schwarz Digital Radio.
6. Communication tester to ensure max power transmission and proper modulation.
7. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

$EIRP = \text{Conducted power} + \text{Gain}$, $ERP = EIRP - 2.15 \text{dBi}$.

6.2.3. Test procedures

The transmitter output power was connected to calibrated attenuator, the other end of which was connected to signal analyzer. Transmitter output power was read off the power in dBm. The power outputs at the transmitter antenna port was determined by adding the value of attenuator to the signal analyzer reading.

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

6.2.4. Measurement Uncertainty

Expanded Uncertainty	0.6dB (k=2)
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6.2.5. Test Setup



6.2.6. Test result

LTE B2			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				18607/1850.7	18900/1880	19193/1909.3
QPSK	1	Low	22.50	21.11	21.18	21.11
		Middle		21.32	21.37	21.24
		High		21.09	20.90	20.92
	50%	Low	22.50	21.29	21.15	21.45
		Middle		21.21	21.15	21.22
		High		21.06	21.06	21.19
	100%	/	21.50	20.26	20.35	20.34
16QAM	1	Low	21.50	20.24	20.28	20.25
		Middle		20.26	20.44	20.22
		High		20.22	20.31	20.20
	50%	Low	21.50	20.19	20.24	20.16
		Middle		20.40	20.29	20.23
		High		20.30	20.25	20.22
	100%	/	20.50	19.27	19.35	19.28
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				18615/1851.5	18900/1880	19185/1908.5
QPSK	1	Low	22.50	21.13	21.06	21.01
		Middle		21.28	21.39	21.29
		High		21.06	20.90	20.90

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

	50%	Low	21.50	20.35	20.37	20.48
		Middle		20.27	20.39	20.35
		High		20.28	20.11	20.30
	100%	/	21.50	20.31	20.23	20.33
16QAM	1	Low	21.50	20.40	20.30	20.22
		Middle		20.39	20.51	20.18
		High		20.36	20.09	20.21
	50%	Low	20.50	19.34	19.32	19.26
		Middle		19.48	19.52	19.36
		High		19.41	19.47	19.28
	100%	/	20.50	19.33	19.42	19.38
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				18625/1852.5	18900/1880	19175/1907.5
QPSK	1	Low	22.50	21.03	21.08	21.09
		Middle		21.33	21.44	21.28
		High		21.13	20.95	20.80
	50%	Low	21.50	20.38	20.32	20.54
		Middle		20.29	20.36	20.28
		High		20.14	20.13	20.31
	100%	/	21.50	20.30	20.24	20.25
16QAM	1	Low	21.50	20.28	20.20	20.15
		Middle		20.30	20.47	20.21
		High		20.29	20.07	20.21
	50%	Low	20.50	19.26	19.38	19.25
		Middle		19.45	19.37	19.31
		High		19.38	19.52	19.29
	100%	/	20.50	19.41	19.38	19.30
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				18650/1855	18900/1880	19150/1905
QPSK	1	Low	22.50	21.14	21.07	21.02
		Middle		21.37	21.37	21.28
		High		21.07	20.91	20.89
	50%	Low	21.50	20.35	20.19	20.48
		Middle		20.36	20.18	20.28
		High		20.16	20.13	20.40
	100%	/	21.50	20.34	20.40	20.21
16QAM	1	Low	21.50	20.22	20.17	20.19
		Middle		20.35	20.33	20.14

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

	50%	High	20.50	20.22	20.09	20.18
		Low		19.35	19.44	19.21
		Middle		19.50	19.33	19.28
		High		19.41	19.25	19.25
	100%	/	20.50	19.24	19.21	19.26
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				18675/1857.5	18900/1880	19125/1902.5
QPSK	1	Low	22.50	21.11	21.11	21.04
		Middle		21.27	21.38	21.31
		High		21.06	20.96	20.92
	50%	Low	21.50	20.33	20.20	20.51
		Middle		20.29	20.36	20.32
		High		20.19	20.16	20.36
	100%	/	21.50	20.32	20.24	20.17
16QAM	1	Low	21.50	20.35	20.27	20.35
		Middle		20.37	20.46	20.24
		High		20.33	20.15	20.29
	50%	Low	20.50	19.32	19.29	19.34
		Middle		19.48	19.46	19.42
		High		19.39	19.43	19.36
	100%	/	20.50	19.31	19.38	19.36
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				18700/1860	18900/1880	19100/1900
QPSK	1	Low	22.50	21.18	21.15	21.07
		Middle		21.40	21.46	21.33
		High		21.12	21.01	20.98
	50%	Low	21.50	20.40	20.32	20.55
		Middle		20.31	20.36	20.35
		High		20.22	20.21	20.32
	100%	/	21.50	20.29	20.31	20.30
16QAM	1	Low	21.50	20.34	20.23	20.30
		Middle		20.33	20.48	20.24
		High		20.31	20.16	20.27
	50%	Low	20.50	19.29	19.37	19.31
		Middle		19.41	19.44	19.39
		High		19.36	19.38	19.32
	100%	/	20.50	19.29	19.34	19.33

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

LTE B4			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				19957/1710.7	20175/1732.5	20393/1754.3
QPSK	1	Low	22.50	21.09	21.36	21.19
		Middle		21.34	21.47	21.34
		High		21.01	20.91	20.93
	50%	Low	22.50	21.28	21.20	21.22
		Middle		21.34	21.25	21.14
		High		21.26	21.11	21.01
	100%	/	21.50	20.38	20.40	20.33
16QAM	1	Low	21.50	20.26	20.26	20.26
		Middle		20.28	20.46	20.32
		High		20.34	20.39	20.32
	50%	Low	21.50	20.29	20.27	20.26
		Middle		20.34	20.22	20.17
		High		20.34	20.25	20.16
	100%	/	20.50	19.34	19.27	19.19
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				19965/1711.5	20175/1732.5	20385/1753.5
QPSK	1	Low	22.50	21.11	21.24	21.09
		Middle		21.30	21.45	21.39
		High		20.98	20.86	20.95
	50%	Low	21.50	20.39	20.37	20.29
		Middle		20.40	20.49	20.36
		High		20.44	20.16	20.21
	100%	/	21.50	20.39	20.28	20.32
16QAM	1	Low	21.50	20.33	20.33	20.23
		Middle		20.32	20.51	20.28
		High		20.39	20.29	20.24
	50%	Low	20.50	19.44	19.35	19.27
		Middle		19.42	19.45	19.26
		High		19.45	19.42	19.22
	100%	/	20.50	19.40	19.38	19.29
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				19975/1712.5	20175/1732.5	20375/1752.5
QPSK	1	Low	22.50	21.01	21.26	21.17
		Middle		21.30	21.50	21.38

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		High		21.04	20.96	20.90
	50%	Low	21.50	20.41	20.37	20.40
		Middle		20.46	20.41	20.24
		High		20.39	20.13	20.17
	100%	/	21.50	20.43	20.24	20.19
16QAM	1	Low	21.50	20.26	20.18	20.11
		Middle		20.28	20.42	20.26
		High		20.32	20.36	20.33
	50%	Low	20.50	19.31	19.50	19.35
		Middle		19.34	19.39	19.25
		High		19.37	19.52	19.23
	100%	/	20.50	19.43	19.39	19.21
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20000/1715	20175/1732.5	20350/1750
QPSK	1	Low	22.50	21.12	21.20	21.10
		Middle		21.39	21.42	21.38
		High		20.99	20.87	20.95
	50%	Low	21.50	20.39	20.19	20.30
		Middle		20.54	20.23	20.25
		High		20.37	20.14	20.27
	100%	/	21.50	20.47	20.45	20.20
16QAM	1	Low	21.50	20.19	20.20	20.19
		Middle		20.32	20.33	20.23
		High		20.29	20.34	20.25
	50%	Low	20.50	19.45	19.52	19.26
		Middle		19.44	19.30	19.22
		High		19.45	19.24	19.24
	100%	/	20.50	19.31	19.21	19.22
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				20025/1717.5	20175/1732.5	20325/1747.5
QPSK	1	Low	22.50	21.09	21.29	21.07
		Middle		21.33	21.48	21.36
		High		21.02	20.92	20.93
	50%	Low	21.50	20.41	20.20	20.28
		Middle		20.51	20.41	20.29
		High		20.35	20.17	20.23
	100%	/	21.50	20.40	20.29	20.20
16QAM	1	Low	21.50	20.28	20.30	20.40

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		Middle		20.30	20.46	20.33
		High		20.36	20.39	20.32
		Low		19.42	19.36	19.35
	50%	Middle	20.50	19.42	19.43	19.32
		High		19.43	19.38	19.30
	100%	/	20.50	19.38	19.39	19.27
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				20050/1720	20175/1732.5	20300/1745
QPSK	1	Low	22.50	21.16	21.33	21.15
		Middle		21.42	21.52	21.43
		High		21.04	20.98	21.04
	50%	Low	21.50	20.44	20.33	20.37
		Middle		20.49	20.42	20.32
		High		20.43	20.22	20.19
	100%	/	21.50	20.42	20.36	20.29
16QAM	1	Low	21.50	20.22	20.26	20.31
		Middle		20.31	20.48	20.34
		High		20.39	20.41	20.35
	50%	Low	20.50	19.39	19.45	19.37
		Middle		19.35	19.42	19.34
		High		19.40	19.38	19.31
	100%	/	20.50	19.36	19.35	19.29

LTE B5				Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				20407/824.7	20525/836.5	20643/848.3
QPSK	1	Low	23.00	22.01	22.15	22.10
		Middle		22.12	22.11	22.05
		High		22.04	21.91	21.95
	50%	Low	23.00	21.98	21.95	22.02
		Middle		21.95	21.90	21.96
		High		21.89	21.94	21.94
	100%	/	22.00	21.09	21.06	21.08
16QAM	1	Low	22.00	21.06	21.12	20.96
		Middle		21.08	21.15	21.07
		High		21.13	21.23	21.09
	50%	Low	22.00	21.03	21.08	21.04
		Middle		21.16	20.96	20.96

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

		High		21.08	21.00	21.06
	100%	/	21.00	20.09	19.99	20.00
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				20415/825.5	20525/836.5	20635/847.5
QPSK	1	Low	23.00	22.04	22.04	22.01
		Middle		22.17	22.14	22.09
		High		22.02	21.95	21.92
	50%	Low	22.00	21.01	21.02	21.05
		Middle		21.07	20.93	21.02
		High		20.95	20.97	21.15
	100%	/	22.00	21.13	21.11	20.95
16QAM	1	Low	22.00	21.07	20.98	20.94
		Middle		21.20	20.94	21.03
		High		21.13	21.13	21.04
	50%	Low	21.00	20.19	20.28	20.09
		Middle		20.26	20.04	20.01
		High		20.19	20.04	20.12
	100%	/	21.00	20.06	19.98	20.01
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				20425/826.5	20525/836.5	20625/846.5
QPSK	1	Low	23.00	22.01	22.08	22.00
		Middle		22.11	22.15	22.09
		High		22.05	22.00	21.92
	50%	Low	22.00	21.06	21.03	21.05
		Middle		21.07	21.11	21.03
		High		20.98	21.00	21.11
	100%	/	22.00	21.11	20.95	20.95
16QAM	1	Low	22.00	21.13	21.08	21.10
		Middle		21.15	21.07	21.13
		High		21.20	21.23	21.14
	50%	Low	21.00	20.16	20.17	20.21
		Middle		20.24	20.17	20.11
		High		20.17	20.18	20.20
	100%	/	21.00	20.13	20.11	20.08
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20450/829	20525/836.5	20600/844
QPSK	1	Low	23.00	22.08	22.12	22.06

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		Middle		22.20	22.19	22.14
		High		22.07	22.01	22.01
		Low		21.09	21.11	21.12
	50%	Middle	22.00	21.05	21.10	21.09
		High		21.04	21.08	21.07
	100%	/	22.00	21.11	21.05	21.04
16QAM	1	Low	22.00	21.09	21.07	21.01
		Middle		21.14	21.12	21.09
		High		21.18	21.20	21.12
	50%	Low	21.00	20.13	20.21	20.18
		Middle		20.17	20.11	20.11
		High		20.14	20.13	20.19
	100%	/	21.00	20.11	20.07	20.08

LTE B7			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				20775/2502.5	21100/2535	21425/2567.5
QPSK	1	Low	21.50	20.12	20.24	20.28
		Middle		20.56	20.70	20.64
		High		20.47	20.51	20.18
	50%	Low	20.50	19.70	19.62	19.61
		Middle		19.71	19.74	19.64
		High		19.61	19.55	19.74
	100%	/	20.50	19.58	19.53	19.65
16QAM	1	Low	20.50	19.63	19.47	19.47
		Middle		19.65	19.80	19.80
		High		19.75	19.84	19.77
	50%	Low	19.50	18.62	18.76	18.76
		Middle		18.81	18.76	18.64
		High		18.73	18.78	18.67
	100%	/	19.50	18.77	18.64	18.61
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				20800/2505	21100/2535	21400/2565
QPSK	1	Low	21.50	20.23	20.19	20.21
		Middle		20.60	20.63	20.64
		High		20.37	20.43	20.23
	50%	Low	20.50	19.59	19.49	19.51
		Middle		19.70	19.56	19.60

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		High		19.55	19.55	19.79
	100%	/	20.50	19.62	19.73	19.61
16QAM	1	Low	20.50	19.65	19.44	19.51
		Middle		19.78	19.66	19.73
		High		19.76	19.82	19.70
	50%	Low	19.50	18.75	18.74	18.72
		Middle		18.86	18.68	18.65
		High		18.76	18.51	18.67
	100%	/	19.50	18.60	18.51	18.61
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				20825/2507.5	21100/2535	21375/2562.5
QPSK	1	Low	21.50	20.20	20.27	20.23
		Middle		20.54	20.64	20.67
		High		20.40	20.48	20.26
	50%	Low	20.50	19.65	19.50	19.54
		Middle		19.67	19.74	19.64
		High		19.58	19.58	19.75
	100%	/	20.50	19.56	19.57	19.61
16QAM	1	Low	20.50	19.70	19.54	19.67
		Middle		19.76	19.75	19.83
		High		19.83	19.88	19.77
	50%	Low	19.50	18.68	18.67	18.81
		Middle		18.80	18.85	18.71
		High		18.70	18.69	18.74
	100%	/	19.50	18.67	18.64	18.71
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				20850/2510	21100/2535	21350/2560
QPSK	1	Low	21.50	20.27	20.31	20.26
		Middle		20.63	20.72	20.69
		High		20.42	20.53	20.32
	50%	Low	20.50	19.68	19.62	19.58
		Middle		19.69	19.74	19.67
		High		19.65	19.63	19.71
	100%	/	20.50	19.57	19.64	19.70
16QAM	1	Low	20.50	19.56	19.50	19.62
		Middle		19.72	19.81	19.83
		High		19.81	19.89	19.79
	50%	Low	19.50	18.69	18.71	18.82

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		Middle		18.77	18.79	18.72
		High		18.71	18.64	18.74
	100%	/	19.50	18.65	18.60	18.68

LTE B12			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				23017/699.7	23095/707.5	23173/715.3
QPSK	1	Low	23.00	22.01	22.12	22.10
		Middle		22.13	22.24	22.13
		High		22.07	22.00	22.08
	50%	Low	23.00	22.04	22.02	22.14
		Middle		22.12	22.11	22.07
		High		22.07	22.11	22.12
	100%	/	22.00	21.16	21.25	21.27
16QAM	1	Low	22.00	21.18	21.12	21.04
		Middle		21.20	21.26	21.12
		High		21.14	21.30	21.20
	50%	Low	22.00	21.22	21.06	21.04
		Middle		21.28	21.02	20.97
		High		21.15	21.02	21.01
	100%	/	21.00	20.12	20.16	20.01
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				23025/700.5	23095/707.5	23165/714.5
QPSK	1	Low	23.00	22.04	22.01	22.01
		Middle		22.18	22.17	22.13
		High		22.05	22.01	22.01
	50%	Low	22.00	21.10	21.02	21.13
		Middle		21.27	21.10	21.09
		High		21.13	21.10	21.33
	100%	/	22.00	21.20	21.30	21.14
16QAM	1	Low	22.00	21.16	21.01	21.02
		Middle		21.29	21.12	21.04
		High		21.14	21.24	21.14
	50%	Low	21.00	20.38	20.30	20.09
		Middle		20.38	20.14	20.02
		High		20.26	20.10	20.04
	100%	/	21.00	20.09	20.15	20.03
Modulation	RB	RB Offset	Tune up	5MHz		

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

				Channel/Frequency(MHz)		
				23035/701.5	23095/707.5	23155/713.5
QPSK	1	Low	23.00	22.01	22.05	22.03
		Middle		22.12	22.21	22.20
		High		22.12	22.02	22.08
	50%	Low	22.00	21.16	21.03	21.20
		Middle		21.28	21.28	21.13
		High		21.20	21.17	21.25
	100%	/	22.00	21.14	21.18	21.10
16QAM	1	Low	22.00	21.21	21.15	21.14
		Middle		21.23	21.25	21.18
		High		21.17	21.34	21.25
	50%	Low	21.00	20.35	20.15	20.22
		Middle		20.36	20.23	20.16
		High		20.24	20.20	20.19
	100%	/	21.00	20.16	20.24	20.13
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				23060/704	23095/707.5	23130/711
QPSK	1	Low	23.00	22.08	22.09	22.06
		Middle		22.21	22.29	22.22
		High		22.14	22.07	22.14
	50%	Low	22.00	21.19	21.15	21.24
		Middle		21.26	21.28	21.20
		High		21.23	21.22	21.25
	100%	/	22.00	21.15	21.25	21.23
16QAM	1	Low	22.00	21.17	21.11	21.09
		Middle		21.23	21.27	21.14
		High		21.19	21.31	21.23
	50%	Low	21.00	20.32	20.23	20.19
		Middle		20.29	20.21	20.13
		High		20.21	20.19	20.15
	100%	/	21.00	20.14	20.24	20.10

LTE B13			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				23205/779.5	23230/782	23255/784.5
QPSK	1	Low	23.00	21.51	21.91	21.45
		Middle		21.78	22.04	21.73

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

	50%	High	22.00	21.49	21.52	21.39
		Low		20.54	20.31	20.48
		Middle		20.52	21.10	20.57
		High		20.47	20.95	20.50
	100%	/	22.00	20.50	20.88	20.38
16QAM	1	Low	22.00	20.69	21.25	20.51
		Middle		20.82	21.10	20.74
		High		20.64	21.33	20.77
	50%	Low	21.00	19.42	19.94	19.48
		Middle		19.52	20.25	19.71
		High		19.47	20.10	19.76
	100%	/	21.00	19.55	20.06	19.72
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	23230/782	/
QPSK	1	Low	23.00	/	21.95	/
		Middle		/	22.08	/
		High		/	21.57	/
	50%	Low	22.00	/	20.43	/
		Middle		/	21.10	/
		High		/	21.04	/
	100%	/	22.00	/	20.95	/
16QAM	1	Low	22.00	/	21.21	/
		Middle		/	21.12	/
		High		/	21.30	/
	50%	Low	21.00	/	19.98	/
		Middle		/	20.19	/
		High		/	20.05	/
	100%	/	21.00	/	20.02	/

LTE B14			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				23305/790.5	23330/793	23355/795.5
QPSK	1	Low	23.00	21.83	22.05	21.45
		Middle		21.97	22.09	21.58
		High		21.47	22.01	21.40
	50%	Low	22.00	20.46	21.04	20.33
		Middle		20.60	21.11	20.47
		High		20.49	21.00	20.36

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

	100%	/	22.00	20.46	21.04	20.34
16QAM	1	Low	22.00	20.58	21.03	20.80
		Middle		20.63	20.85	20.69
		High		20.65	21.03	20.62
	50%	Low	21.00	19.55	20.15	19.67
		Middle		19.53	20.21	19.69
		High		19.47	20.08	19.66
	100%	/	21.00	19.56	20.17	19.76
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	23330/793	/
QPSK	1	Low	23.00	/	22.09	/
		Middle		/	22.13	/
		High		/	22.02	/
	50%	Low	22.00	/	21.12	/
		Middle		/	21.07	/
		High		/	21.05	/
	100%	/	22.00	/	21.11	/
16QAM	1	Low	22.00	/	20.99	/
		Middle		/	20.89	/
		High		/	21.02	/
	50%	Low	21.00	/	20.21	/
		Middle		/	20.17	/
		High		/	20.03	/
	100%	/	21.00	/	20.13	/

LTE B17			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				23755/706.5	23790/710	23825/713.5
QPSK	1	Low	23.00	22.02	21.95	22.07
		Middle		22.19	22.19	22.16
		High		22.08	22.10	22.07
	50%	Low	22.00	21.07	21.14	21.03
		Middle		21.20	21.11	21.12
		High		21.05	21.14	21.29
	100%	/	22.00	21.14	21.25	21.03
16QAM	1	Low	22.00	21.32	21.22	21.27
		Middle		21.45	21.41	21.35
		High		21.23	21.25	21.28

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

	50%	Low	21.00	20.32	20.41	20.22
		Middle		20.42	20.22	20.27
		High		20.36	20.25	20.20
	100%	/	21.00	20.31	20.34	20.28
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				23780/709	23790/710	23800/711
QPSK	1	Low	23.00	22.06	22.03	22.12
		Middle		22.22	22.24	22.21
		High		22.13	22.16	22.18
	50%	Low	22.00	21.14	21.23	21.12
		Middle		21.17	21.25	21.21
		High		21.13	21.22	21.23
	100%	/	22.00	21.11	21.18	21.14
16QAM	1	Low	22.00	21.36	21.30	21.34
		Middle		21.39	21.58	21.41
		High		21.28	21.34	21.33
	50%	Low	21.00	20.26	20.34	20.28
		Middle		20.33	20.29	20.36
		High		20.31	20.34	20.29
	100%	/	21.00	20.36	20.43	20.37

LTE B25				Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				26047/1850.7	26365/1882,5	26683/1914.3
QPSK	1	Low	22.50	21.31	21.45	21.37
		Middle		21.51	21.57	21.46
		High		21.21	21.16	21.20
	50%	Low	22.50	21.44	21.41	21.47
		Middle		21.37	21.34	21.41
		High		21.27	21.33	21.33
	100%	/	21.50	20.38	20.45	20.57
16QAM	1	Low	21.50	20.33	20.41	20.26
		Middle		20.39	20.46	20.36
		High		20.22	20.48	20.25
	50%	Low	21.50	20.51	20.48	20.42
		Middle		20.43	20.42	20.35
		High		20.41	20.35	20.36
	100%	/	20.50	19.58	19.44	19.53

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				26055/1851.5	26365/1882.5	26675/1913.5
QPSK	1	Low	22.50	21.33	21.33	21.27
		Middle		21.47	21.55	21.51
		High		21.14	21.12	21.18
	50%	Low	21.50	20.46	20.63	20.50
		Middle		20.39	20.58	20.54
		High		20.49	20.42	20.48
	100%	/	21.50	20.43	20.33	20.56
16QAM	1	Low	21.50	20.49	20.43	20.23
		Middle		20.48	20.42	20.28
		High		20.36	20.34	20.22
	50%	Low	20.50	19.70	19.52	19.48
		Middle		19.55	19.61	19.44
		High		19.56	19.57	19.46
	100%	/	20.50	19.64	19.60	19.63
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				26065/1852.5	26365/1882.5	26665/1912.5
QPSK	1	Low	22.50	21.23	21.35	21.35
		Middle		21.52	21.56	21.46
		High		21.29	21.17	21.08
	50%	Low	21.50	20.57	20.62	20.60
		Middle		20.49	20.59	20.51
		High		20.39	20.44	20.49
	100%	/	21.50	20.42	20.30	20.44
16QAM	1	Low	21.50	20.37	20.29	20.12
		Middle		20.39	20.38	20.31
		High		20.29	20.40	20.30
	50%	Low	20.50	19.62	19.66	19.55
		Middle		19.52	19.54	19.47
		High		19.49	19.58	19.47
	100%	/	20.50	19.72	19.56	19.55
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				26090/1855	26365/1882.5	26640/1910
QPSK	1	Low	22.50	21.34	21.34	21.28
		Middle		21.56	21.57	21.50
		High		21.15	21.13	21.13

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

	50%	Low	21.50	20.46	20.45	20.46
		Middle		20.48	20.37	20.43
		High		20.37	20.40	20.54
	100%	/	21.50	20.46	20.50	20.44
16QAM	1	Low	21.50	20.35	20.30	20.24
		Middle		20.48	20.28	20.32
		High		20.26	20.38	20.27
	50%	Low	20.50	19.71	19.64	19.47
		Middle		19.57	19.46	19.40
		High		19.56	19.35	19.39
	100%	/	20.50	19.55	19.39	19.47
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				26115/1857.5	26365/1882.5	26615/1907.5
QPSK	1	Low	22.50	21.31	21.38	21.30
		Middle		21.50	21.58	21.53
		High		21.22	21.18	21.20
	50%	Low	21.50	20.48	20.46	20.53
		Middle		20.45	20.55	20.51
		High		20.36	20.39	20.50
	100%	/	21.50	20.40	20.30	20.44
16QAM	1	Low	21.50	20.44	20.40	20.40
		Middle		20.46	20.41	20.42
		High		20.33	20.48	20.30
	50%	Low	20.50	19.68	19.57	19.56
		Middle		19.55	19.63	19.50
		High		19.54	19.53	19.50
	100%	/	20.50	19.62	19.56	19.61
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				26140/1860	26365/1882.5	26590/1905
QPSK	1	Low	22.50	21.38	21.42	21.33
		Middle		21.59	21.62	21.55
		High		21.24	21.23	21.26
	50%	Low	21.50	20.55	20.58	20.57
		Middle		20.47	20.55	20.54
		High		20.43	20.48	20.46
	100%	/	21.50	20.41	20.41	20.53
16QAM	1	Low	21.50	20.37	20.36	20.31
		Middle		20.42	20.43	20.38

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		High		20.31	20.45	20.32
	50%	Low	20.50	19.65	19.61	19.57
		Middle		19.48	19.57	19.51
		High		19.51	19.48	19.50
	100%	/	20.50	19.60	19.52	19.58

LTE B26(Part 22)			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				26797/824.7	26915/836.5	27033/848.3
QPSK	1	Low	23.00	21.80	21.99	22.01
		Middle		22.17	22.09	22.04
		High		21.79	21.91	21.89
	50%	Low	23.00	22.05	21.86	21.96
		Middle		22.02	21.81	21.99
		High		21.89	21.76	21.93
	100%	/	22.00	21.01	20.93	21.19
	16QAM	Low	22.00	21.03	21.19	21.12
		Middle		21.05	21.36	21.23
		High		21.02	21.28	21.18
		Low	22.00	21.14	21.02	20.96
		Middle		21.17	21.04	21.03
		High		20.99	20.92	20.91
	100%	/	21.00	20.10	19.95	19.94
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				26805/825.5	26915/836.5	27025/847.5
QPSK	1	Low	23.00	21.72	21.89	21.99
		Middle		22.18	22.06	22.15
		High		21.81	21.90	21.88
	50%	Low	22.00	21.12	21.03	21.16
		Middle		21.08	21.02	21.02
		High		20.97	20.89	21.02
	100%	/	22.00	21.07	20.88	21.03
	16QAM	Low	22.00	21.09	21.17	20.95
		Middle		21.11	21.26	21.15
		High		21.11	21.14	21.19
	50%	Low	21.00	20.21	20.14	20.12
		Middle		20.22	20.10	20.11
		High		20.07	20.19	19.98
	100%	/	21.00	20.24	20.07	19.96
Modulation	RB	RB Offset	Tune up	5MHz		

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

				Channel/Frequency(MHz)		
				26815/826.5	26915/836.5	27015/846.5
QPSK	1	Low	23.00	21.83	21.88	21.92
		Middle		22.22	22.03	22.15
		High		21.77	21.86	21.93
	50%	Low	22.00	21.11	20.90	21.06
		Middle		21.11	20.90	21.05
		High		20.89	20.85	21.14
	100%	/	22.00	21.05	21.04	21.06
16QAM	1	Low	22.00	21.07	21.14	21.10
		Middle		21.20	21.18	21.12
		High		21.08	21.12	21.09
	50%	Low	21.00	20.30	20.16	20.01
		Middle		20.27	20.12	20.15
		High		20.10	19.96	20.01
	100%	/	21.00	20.07	19.94	19.99
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
QPSK	1	Low	23.00	21.80	21.92	21.94
		Middle		22.16	22.04	22.18
		High		21.80	21.91	21.96
	50%	Low	22.00	21.13	20.91	21.09
		Middle		21.08	21.02	21.09
		High		20.92	20.88	21.10
	100%	/	22.00	21.03	20.88	21.06
16QAM	1	Low	22.00	21.10	21.24	21.26
		Middle		21.18	21.31	21.22
		High		21.15	21.28	21.16
	50%	Low	21.00	20.27	20.05	20.10
		Middle		20.25	20.19	20.18
		High		20.08	20.04	20.05
	100%	/	21.00	20.14	20.07	20.09
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
QPSK	1	Low	23.00	21.87	21.96	21.97
		Middle		22.25	22.14	22.20
		High		21.82	21.98	22.02
	50%	Low	22.00	21.16	21.05	21.13
		Middle		21.12	21.04	21.12
		High		21.01	20.93	21.06
	100%	/	22.00	21.06	20.95	21.15

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

16QAM	1	Low	22.00	21.02	21.20	21.17
		Middle		21.14	21.33	21.25
		High		21.13	21.25	21.21
	50%	Low	21.00	20.24	20.15	20.14
		Middle		20.18	20.19	20.22
		High		20.05	20.05	20.08
	100%	/	21.00	20.12	20.03	20.06

LTE B26(Part 90)			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				26697/814.7	26740/819	26783/823.3
QPSK	1	Low	23.00	21.90	22.00	21.91
		Middle		21.96	22.10	21.92
		High		22.00	21.97	21.91
	50%	Low	23.00	21.91	21.77	21.98
		Middle		22.00	21.98	22.04
		High		21.94	21.89	21.89
	100%	/	22.00	21.05	21.03	21.07
16QAM	1	Low	22.00	21.10	21.41	21.06
		Middle		21.12	21.31	21.07
		High		21.17	21.31	21.08
	50%	Low	22.00	20.99	20.89	20.88
		Middle		21.25	21.02	20.96
		High		21.18	21.02	21.01
	100%	/	21.00	20.15	20.13	20.12
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				26705/815.5	26740/819	26775/822.5
QPSK	1	Low	23.00	21.90	21.93	21.84
		Middle		21.95	22.08	22.03
		High		22.04	22.03	21.91
	50%	Low	22.00	21.02	20.82	21.04
		Middle		21.15	21.19	21.14
		High		21.03	20.92	21.06
	100%	/	22.00	21.04	20.92	20.94
16QAM	1	Low	22.00	21.14	21.40	21.20
		Middle		21.16	21.26	21.13
		High		21.21	21.31	21.13
	50%	Low	21.00	20.12	20.01	20.02
		Middle		20.33	20.26	20.11
		High		20.27	20.23	20.15

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

	100%	/	21.00	20.19	20.25	20.20
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				26715/816.5	26740/819	26765/821.5
QPSK	1	Low	23.00	21.97	21.97	21.87
		Middle		22.04	22.12	22.05
		High		22.06	22.04	21.97
	50%	Low	22.00	21.02	20.90	21.08
		Middle		21.10	21.15	21.17
		High		21.03	21.00	21.02
	100%	/	22.00	21.01	20.99	21.00
16QAM	1	Low	22.00	21.16	21.36	21.08
		Middle		21.15	21.28	21.06
		High		21.22	21.25	21.11
	50%	Low	21.00	20.09	20.02	20.02
		Middle		20.26	20.17	20.11
		High		20.24	20.15	20.14
	100%	/	21.00	20.17	20.18	20.17
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	26740/819	/
QPSK	1	Low	23.00	/	22.01	/
		Middle		/	22.19	/
		High		/	22.08	/
	50%	Low	22.00	/	21.01	/
		Middle		/	21.14	/
		High		/	21.05	/
	100%	/	22.00	/	21.06	/
16QAM	1	Low	22.00	/	21.32	/
		Middle		/	21.30	/
		High		/	21.25	/
	50%	Low	21.00	/	20.09	/
		Middle		/	20.14	/
		High		/	20.13	/
	100%	/	21.00	/	20.17	/

LTE B30				Maximum Conducted Power (dBm)		
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				27685/2307.5	27710/2310	27735/2312.5
QPSK	1	Low	22.50	21.24	21.28	21.25
		Middle		21.36	21.35	21.39

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

	50%	High	21.50	21.09	21.12	21.13
		Low		20.14	20.13	20.27
		Middle		20.14	20.32	20.34
		High		20.12	20.17	20.18
	100%	/	21.50	20.39	20.25	20.23
16QAM	1	Low	21.50	20.48	20.60	20.51
		Middle		20.12	20.27	20.26
		High		20.38	20.48	20.38
	50%	Low	20.50	19.40	19.27	19.36
		Middle		19.23	19.34	19.27
		High		19.08	19.20	19.31
	100%	/	20.50	19.21	19.34	19.34
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				/	27710/2310	/
QPSK	1	Low	22.50	/	21.32	/
		Middle		/	21.41	/
		High		/	21.15	/
	50%	Low	21.50	/	20.23	/
		Middle		/	20.30	/
		High		/	20.22	/
	100%	/	21.50	/	20.32	/
16QAM	1	Low	21.50	/	20.56	/
		Middle		/	20.29	/
		High		/	20.45	/
	50%	Low	20.50	/	19.33	/
		Middle		/	19.30	/
		High		/	19.17	/
	100%	/	20.50	/	19.30	/

LTE B38			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				37775/2572.5	38000/2595	38225/2617.5
QPSK	1	Low	22.50	20.54	20.74	20.77
		Middle		21.04	21.17	21.13
		High		20.99	20.83	20.72
	50%	Low	21.50	19.98	20.04	20.06
		Middle		20.01	20.12	20.09
		High		19.93	19.97	20.09

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

	100%	/	21.50	20.03	19.97	20.02
16QAM	1	Low	21.50	19.88	19.78	19.77
		Middle		19.90	19.90	19.99
		High		19.80	19.92	19.85
	50%	Low	20.50	19.01	19.11	18.99
		Middle		19.11	19.01	18.93
		High		19.05	19.14	19.03
	100%	/	20.50	19.22	19.06	19.07
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				37800/2575	38000/2595	38200/2615
QPSK	1	Low	22.50	20.65	20.73	20.70
		Middle		21.08	21.14	21.13
		High		20.89	20.79	20.77
	50%	Low	21.50	19.91	19.91	19.96
		Middle		19.99	19.99	20.05
		High		19.91	19.98	20.14
	100%	/	21.50	20.07	20.13	19.98
16QAM	1	Low	21.50	19.86	19.75	19.85
		Middle		19.99	19.71	19.96
		High		19.77	19.85	19.82
	50%	Low	20.50	19.10	19.13	18.95
		Middle		19.21	18.97	18.90
		High		19.13	18.96	18.99
	100%	/	20.50	19.05	18.98	19.03
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				37825/2577.5	38000/2595	38175/2612.5
QPSK	1	Low	22.50	20.62	20.77	20.72
		Middle		21.02	21.15	21.16
		High		20.92	20.79	20.80
	50%	Low	21.50	19.93	19.87	19.99
		Middle		20.01	20.12	20.09
		High		19.94	19.96	20.10
	100%	/	21.50	20.05	19.97	19.98
16QAM	1	Low	21.50	19.95	19.90	20.01
		Middle		19.97	19.89	20.06
		High		19.79	20.00	19.84
	50%	Low	20.50	19.07	19.07	19.04
		Middle		19.19	19.15	19.00

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		High		19.11	19.10	19.15
	100%	/	20.50	19.12	19.11	19.18
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				37850/2580	38000/2595	38150/2610
QPSK	1	Low	22.50	20.69	20.81	20.75
		Middle		21.11	21.19	21.18
		High		20.94	20.85	20.86
	50%	Low	21.50	19.96	20.00	20.03
		Middle		19.99	20.13	20.12
		High		20.02	20.06	20.06
	100%	/	21.50	20.07	20.09	20.07
16QAM	1	Low	21.50	19.94	19.86	19.92
		Middle		19.98	19.91	20.02
		High		19.82	19.97	19.87
	50%	Low	20.50	19.04	19.11	19.06
		Middle		19.12	19.09	19.02
		High		19.08	19.05	19.11
	100%	/	20.50	19.10	19.07	19.15

LTE B41			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				39675/2498.5	40620/2593	41565/2687.5
QPSK	1	Low	24.00	18.89	19.17	19.28
		Middle		19.38	19.57	19.55
		High		19.24	19.09	19.21
	50%	Low	23.00	18.31	18.36	18.42
		Middle		18.36	18.54	18.53
		High		18.29	18.41	18.47
	100%	/	23.00	18.37	18.49	18.48
16QAM	1	Low	23.00	18.36	18.01	18.06
		Middle		18.42	18.49	18.56
		High		18.15	18.27	18.30
	50%	Low	22.00	17.44	17.36	17.42
		Middle		17.59	17.45	17.49
		High		17.46	17.52	17.37
	100%	/	22.00	17.58	17.45	17.42
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

				39700/2501	40620/2593	41540/2685
QPSK	1	Low	24.00	19.00	19.10	19.21
		Middle		19.42	19.53	19.55
		High		19.14	19.10	19.26
	50%	Low	23.00	18.24	18.22	18.32
		Middle		18.43	18.50	18.49
		High		18.31	18.46	18.52
	100%	/	23.00	18.41	18.45	18.44
16QAM	1	Low	23.00	18.34	18.09	18.14
		Middle		18.47	18.46	18.53
		High		18.08	18.24	18.27
	50%	Low	22.00	17.49	17.36	17.42
		Middle		17.60	17.46	17.50
		High		17.49	17.52	17.37
	100%	/	22.00	17.41	17.45	17.42
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				39725/2503.5	40620/2593	41515/2682.5
QPSK	1	Low	24.00	18.97	19.12	19.23
		Middle		19.36	19.56	19.58
		High		19.17	19.13	19.29
	50%	Low	23.00	18.26	18.25	18.35
		Middle		18.40	18.50	18.53
		High		18.34	18.38	18.48
	100%	/	23.00	18.43	18.41	18.44
16QAM	1	Low	23.00	18.47	18.25	18.30
		Middle		18.45	18.56	18.63
		High		18.15	18.31	18.30
	50%	Low	22.00	17.46	17.45	17.47
		Middle		17.58	17.56	17.56
		High		17.47	17.63	17.48
	100%	/	22.00	17.48	17.55	17.52
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				39750/2506	40620/2593	41490/2680
QPSK	1	Low	20.50	19.04	19.15	19.26
		Middle		19.45	19.62	19.60
		High		19.19	19.23	19.35
	50%	Low	19.50	18.29	18.33	18.39
		Middle		18.38	18.57	18.56

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

		High		18.37	18.38	18.44
	100%	/	19.50	18.40	18.54	18.53
16QAM	1	Low	19.50	18.27	18.16	18.21
		Middle		18.45	18.52	18.59
		High		18.17	18.29	18.32
	50%	Low	18.50	17.47	17.42	17.48
		Middle		17.55	17.53	17.57
		High		17.44	17.59	17.44
	100%	/	18.50	17.46	17.52	17.49

LTE B41(Note 1)			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				39715/2502.5	40620/2593	41565/2687.5
QPSK	1	Low	20.50	19.06	19.17	19.28
		Middle		19.49	19.57	19.55
		High		19.30	19.09	19.21
	50%	Low	19.50	18.33	18.36	18.42
		Middle		18.50	18.54	18.53
		High		18.18	18.41	18.47
	100%	/	19.50	18.48	18.49	18.48
16QAM	1	Low	19.50	18.35	18.01	18.06
		Middle		18.37	18.49	18.56
		High		18.35	18.27	18.30
	50%	Low	18.50	17.36	17.36	17.42
		Middle		17.56	17.45	17.49
		High		17.58	17.52	17.37
	100%	/	18.50	17.59	17.45	17.42
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				39740/2505	40620/2593	41540/2685
QPSK	1	Low	20.50	19.17	19.10	19.21
		Middle		19.53	19.53	19.55
		High		19.20	19.10	19.26
	50%	Low	19.50	18.26	18.22	18.32
		Middle		18.53	18.50	18.49
		High		18.16	18.46	18.52
	100%	/	19.50	18.52	18.45	18.44
16QAM	1	Low	19.50	18.33	18.09	18.14
		Middle		18.46	18.46	18.53

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		High		18.32	18.24	18.27
	50%	Low	18.50	17.45	17.36	17.42
		Middle		17.61	17.46	17.50
		High		17.61	17.52	17.37
	100%	/	18.50	17.42	17.45	17.42
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				39765/2507.5	40620/2593	41515/2682.5
QPSK	1	Low	20.50	19.14	19.12	19.23
		Middle		19.47	19.56	19.58
		High		19.23	19.13	19.29
	50%	Low	19.50	18.28	18.25	18.35
		Middle		18.50	18.50	18.53
		High		18.19	18.38	18.48
	100%	/	19.50	18.50	18.41	18.44
16QAM	1	Low	19.50	18.42	18.25	18.30
		Middle		18.44	18.56	18.63
		High		18.39	18.31	18.30
	50%	Low	18.50	17.42	17.45	17.47
		Middle		17.59	17.56	17.56
		High		17.59	17.63	17.48
	100%	/	18.50	17.49	17.55	17.52
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				39790/2510	40620/2593	41490/2680
QPSK	1	Low	20.50	19.21	19.15	19.26
		Middle		19.56	19.62	19.60
		High		19.25	19.23	19.35
	50%	Low	19.50	18.31	18.33	18.39
		Middle		18.48	18.57	18.56
		High		18.22	18.38	18.44
	100%	/	19.50	18.47	18.54	18.53
16QAM	1	Low	19.50	18.19	18.16	18.21
		Middle		18.40	18.52	18.59
		High		18.37	18.29	18.32
	50%	Low	18.50	17.39	17.42	17.48
		Middle		17.52	17.53	17.57
		High		17.56	17.59	17.44
	100%	/	18.50	17.47	17.52	17.49

Note 1: This frequency range(2500-2690MHz) is only applicable for IC certification.

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

LTE B66			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	1.4MHz		
				Channel/Frequency(MHz)		
				131979/1710.7	132322/1745	132665/1779.3
QPSK	1	Low	22.50	21.29	21.30	21.32
		Middle		21.44	21.48	21.40
		High		21.14	20.94	20.97
	50%	Low	22.50	21.49	21.55	21.53
		Middle		21.48	21.44	21.32
		High		21.51	21.27	21.23
	100%	/	21.50	20.61	20.52	20.46
16QAM	1	Low	21.50	20.47	20.31	20.27
		Middle		20.49	20.64	20.36
		High		20.24	20.30	20.22
	50%	Low	21.50	20.51	20.46	20.34
		Middle		20.48	20.35	20.31
		High		20.44	20.35	20.25
	100%	/	20.50	19.49	19.42	19.34
Modulation	RB	RB Offset	Tune up	3MHz		
				Channel/Frequency(MHz)		
				131987/1711.5	132322/1745	132657/1778.5
QPSK	1	Low	22.50	21.37	21.24	21.28
		Middle		21.46	21.52	21.51
		High		21.17	21.00	21.05
	50%	Low	21.50	20.49	20.77	20.60
		Middle		20.48	20.68	20.49
		High		20.63	20.26	20.38
	100%	/	21.50	20.62	20.34	20.45
16QAM	1	Low	21.50	20.59	20.33	20.30
		Middle		20.58	20.70	20.38
		High		20.34	20.26	20.19
	50%	Low	20.50	19.66	19.60	19.40
		Middle		19.56	19.64	19.40
		High		19.55	19.63	19.37
	100%	/	20.50	19.55	19.64	19.50
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				131997/1712.5	132322/1745	132647/1777.5
QPSK	1	Low	22.50	21.27	21.26	21.36

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		Middle		21.51	21.51	21.50
		High		21.28	20.99	20.95
		Low		20.62	20.66	20.66
	50%	Middle	21.50	20.54	20.59	20.42
		High		20.53	20.34	20.39
	100%	/	21.50	20.55	20.41	20.37
16QAM	1	Low	21.50	20.47	20.29	20.23
		Middle		20.49	20.66	20.35
		High		20.27	20.22	20.23
	50%	Low	20.50	19.58	19.64	19.43
		Middle		19.53	19.47	19.45
		High		19.52	19.62	19.38
	100%	/	20.50	19.63	19.60	19.42
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				132022/1715	132322/1745	132622/1775
QPSK	1	Low	22.50	21.38	21.25	21.29
		Middle		21.55	21.48	21.50
		High		21.18	20.95	21.00
	50%	Low	21.50	20.49	20.53	20.56
		Middle		20.57	20.47	20.38
		High		20.51	20.30	20.44
	100%	/	21.50	20.65	20.57	20.33
16QAM	1	Low	21.50	20.45	20.26	20.25
		Middle		20.58	20.46	20.32
		High		20.24	20.20	20.20
	50%	Low	20.50	19.67	19.66	19.39
		Middle		19.58	19.49	19.36
		High		19.55	19.45	19.28
	100%	/	20.50	19.46	19.47	19.38
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				132047/1717.5	132322/1745	132597/1772.5
QPSK	1	Low	22.50	21.35	21.29	21.31
		Middle		21.49	21.49	21.53
		High		21.21	21.00	21.03
	50%	Low	21.50	20.57	20.54	20.59
		Middle		20.54	20.59	20.42
		High		20.54	20.33	20.40
	100%	/	21.50	20.57	20.41	20.33

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

16QAM	1	Low	21.50	20.48	20.36	20.47
		Middle		20.56	20.65	20.48
		High		20.31	20.30	20.27
	50%	Low	20.50	19.64	19.55	19.48
		Middle		19.56	19.56	19.46
		High		19.53	19.59	19.39
	100%	/	20.50	19.53	19.60	19.48
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				132072/1720	132322/1745	132572/1770
QPSK	1	Low	22.50	21.42	21.33	21.34
		Middle		21.58	21.59	21.55
		High		21.23	21.07	21.09
	50%	Low	21.50	20.60	20.68	20.63
		Middle		20.58	20.61	20.45
		High		20.63	20.38	20.36
	100%	/	21.50	20.60	20.48	20.42
16QAM	1	Low	21.50	20.33	20.32	20.38
		Middle		20.52	20.67	20.44
		High		20.29	20.33	20.31
	50%	Low	20.50	19.61	19.65	19.51
		Middle		19.49	19.56	19.49
		High		19.50	19.54	19.41
	100%	/	20.50	19.51	19.56	19.45

LTE B71			Maximum Conducted Power (dBm)			
Modulation	RB	RB Offset	Tune up	5MHz		
				Channel/Frequency(MHz)		
				133147/665.5	133297/680.5	133447/695.5
QPSK	1	Low	23.00	21.41	21.45	21.51
		Middle		21.83	21.94	21.84
		High		21.69	21.52	21.41
	50%	Low	22.00	20.77	20.81	20.84
		Middle		20.89	20.94	20.89
		High		20.74	20.77	20.81
	100%	/	22.00	20.98	20.75	20.87
16QAM	1	Low	22.00	21.15	21.10	20.96
		Middle		21.17	21.31	21.21
		High		21.24	21.14	21.03
	50%	Low	21.00	19.81	20.00	19.87

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

		Middle		19.91	19.88	19.91
		High		19.74	19.97	19.75
	100%	/	21.00	19.90	19.91	19.91
Modulation	RB	RB Offset	Tune up	10MHz		
				Channel/Frequency(MHz)		
				133172/668	133297/680.5	133422/693
QPSK	1	Low	23.00	21.52	21.44	21.44
		Middle		21.90	21.91	21.84
		High		21.59	21.48	21.46
	50%	Low	22.00	20.70	20.68	20.74
		Middle		20.92	20.76	20.85
		High		20.72	20.73	20.86
	100%	/	22.00	21.02	20.91	20.83
16QAM	1	Low	22.00	21.13	21.07	21.04
		Middle		21.26	21.17	21.18
		High		21.21	21.12	21.03
	50%	Low	21.00	19.90	20.02	19.83
		Middle		19.99	19.84	19.88
		High		19.80	19.74	19.71
	100%	/	21.00	19.76	19.78	19.84
Modulation	RB	RB Offset	Tune up	15MHz		
				Channel/Frequency(MHz)		
				133197/670.5	133297/680.5	133397/690.5
QPSK	1	Low	23.00	21.49	21.48	21.46
		Middle		21.84	21.92	21.87
		High		21.62	21.50	21.49
	50%	Low	22.00	20.72	20.69	20.77
		Middle		20.89	20.94	20.89
		High		20.78	20.79	20.82
	100%	/	22.00	21.00	20.78	20.83
16QAM	1	Low	22.00	21.22	21.17	21.20
		Middle		21.24	21.27	21.25
		High		21.28	21.19	21.07
	50%	Low	21.00	19.87	19.88	19.92
		Middle		19.97	19.97	20.01
		High		19.78	19.88	19.85
	100%	/	21.00	19.83	19.91	19.97
Modulation	RB	RB Offset	Tune up	20MHz		
				Channel/Frequency(MHz)		
				133222/673	133322/683	133372/688

Chongqing Academy of Information and Communications Technology

Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: 25B02W000004-001

QPSK	1	Low	23.00	21.56	21.52	21.49
		Middle		21.93	21.96	21.89
		High		21.67	21.54	21.55
	50%	Low	22.00	20.78	20.80	20.81
		Middle		20.90	20.93	20.92
		High		20.81	20.84	20.78
	100%	/	22.00	20.97	20.85	20.92
16QAM	1	Low	22.00	21.09	21.13	21.11
		Middle		21.20	21.32	21.24
		High		21.26	21.19	21.08
	50%	Low	21.00	19.84	19.95	19.92
		Middle		19.90	19.91	19.98
		High		19.75	19.83	19.81
	100%	/	21.00	19.81	19.87	19.94

6.2.7. EIRP/ERP result

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
2	1.4	QPSK	Low	21.32	-0.84	20.48	18.33
2	1.4	QPSK	Mid	21.37	-0.84	20.53	18.38
2	1.4	QPSK	High	21.45	-0.84	20.61	18.46
2	1.4	16QAM	Low	20.40	-0.84	19.56	17.41
2	1.4	16QAM	Mid	20.44	-0.84	19.60	17.45
2	1.4	16QAM	High	20.25	-0.84	19.41	17.26
2	3	QPSK	Low	21.28	-0.84	20.44	18.29
2	3	QPSK	Mid	21.39	-0.84	20.55	18.40
2	3	QPSK	High	21.29	-0.84	20.45	18.30
2	3	16QAM	Low	20.40	-0.84	19.56	17.41
2	3	16QAM	Mid	20.51	-0.84	19.67	17.52
2	3	16QAM	High	20.22	-0.84	19.38	17.23
2	5	QPSK	Low	21.33	-0.84	20.49	18.34
2	5	QPSK	Mid	21.44	-0.84	20.60	18.45
2	5	QPSK	High	21.28	-0.84	20.44	18.29
2	5	16QAM	Low	20.30	-0.84	19.46	17.31
2	5	16QAM	Mid	20.47	-0.84	19.63	17.48
2	5	16QAM	High	20.21	-0.84	19.37	17.22
2	10	QPSK	Low	21.37	-0.84	20.53	18.38
2	10	QPSK	Mid	21.37	-0.84	20.53	18.38
2	10	QPSK	High	21.28	-0.84	20.44	18.29
2	10	16QAM	Low	20.35	-0.84	19.51	17.36
2	10	16QAM	Mid	20.33	-0.84	19.49	17.34

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
2	10	16QAM	High	20.19	-0.84	19.35	17.20
2	15	QPSK	Low	21.27	-0.84	20.43	18.28
2	15	QPSK	Mid	21.38	-0.84	20.54	18.39
2	15	QPSK	High	21.31	-0.84	20.47	18.32
2	15	16QAM	Low	20.37	-0.84	19.53	17.38
2	15	16QAM	Mid	20.46	-0.84	19.62	17.47
2	15	16QAM	High	20.35	-0.84	19.51	17.36
2	20	QPSK	Low	21.40	-0.84	20.56	18.41
2	20	QPSK	Mid	21.46	-0.84	20.62	18.47
2	20	QPSK	High	21.33	-0.84	20.49	18.34
2	20	16QAM	Low	20.34	-0.84	19.50	17.35
2	20	16QAM	Mid	20.48	-0.84	19.64	17.49
2	20	16QAM	High	20.30	-0.84	19.46	17.31
4	1.4	QPSK	Low	21.34	0.28	21.62	19.47
4	1.4	QPSK	Mid	21.47	0.28	21.75	19.60
4	1.4	QPSK	High	21.34	0.28	21.62	19.47
4	1.4	16QAM	Low	20.34	0.28	20.62	18.47
4	1.4	16QAM	Mid	20.46	0.28	20.74	18.59
4	1.4	16QAM	High	20.32	0.28	20.60	18.45
4	3	QPSK	Low	21.30	0.28	21.58	19.43
4	3	QPSK	Mid	21.45	0.28	21.73	19.58
4	3	QPSK	High	21.39	0.28	21.67	19.52
4	3	16QAM	Low	20.39	0.28	20.67	18.52
4	3	16QAM	Mid	20.51	0.28	20.79	18.64
4	3	16QAM	High	20.28	0.28	20.56	18.41
4	5	QPSK	Low	21.30	0.28	21.58	19.43
4	5	QPSK	Mid	21.50	0.28	21.78	19.63
4	5	QPSK	High	21.38	0.28	21.66	19.51
4	5	16QAM	Low	20.32	0.28	20.60	18.45
4	5	16QAM	Mid	20.42	0.28	20.70	18.55
4	5	16QAM	High	20.33	0.28	20.61	18.46
4	10	QPSK	Low	21.39	0.28	21.67	19.52
4	10	QPSK	Mid	21.42	0.28	21.70	19.55
4	10	QPSK	High	21.38	0.28	21.66	19.51
4	10	16QAM	Low	20.32	0.28	20.60	18.45
4	10	16QAM	Mid	20.34	0.28	20.62	18.47
4	10	16QAM	High	20.25	0.28	20.53	18.38
4	15	QPSK	Low	21.33	0.28	21.61	19.46
4	15	QPSK	Mid	21.48	0.28	21.76	19.61
4	15	QPSK	High	21.36	0.28	21.64	19.49
4	15	16QAM	Low	20.36	0.28	20.64	18.49

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
 Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
4	15	16QAM	Mid	20.46	0.28	20.74	18.59
4	15	16QAM	High	20.40	0.28	20.68	18.53
4	20	QPSK	Low	21.42	0.28	21.70	19.55
4	20	QPSK	Mid	21.52	0.28	21.80	19.65
4	20	QPSK	High	21.43	0.28	21.71	19.56
4	20	16QAM	Low	20.39	0.28	20.67	18.52
4	20	16QAM	Mid	20.48	0.28	20.76	18.61
4	20	16QAM	High	20.35	0.28	20.63	18.48
5	1.4	QPSK	Low	22.12	-0.34	21.78	19.63
5	1.4	QPSK	Mid	22.15	-0.34	21.81	19.66
5	1.4	QPSK	High	22.10	-0.34	21.76	19.61
5	1.4	16QAM	Low	21.16	-0.34	20.82	18.67
5	1.4	16QAM	Mid	21.23	-0.34	20.89	18.74
5	1.4	16QAM	High	21.09	-0.34	20.75	18.60
5	3	QPSK	Low	22.17	-0.34	21.83	19.68
5	3	QPSK	Mid	22.14	-0.34	21.80	19.65
5	3	QPSK	High	22.09	-0.34	21.75	19.60
5	3	16QAM	Low	21.20	-0.34	20.86	18.71
5	3	16QAM	Mid	21.13	-0.34	20.79	18.64
5	3	16QAM	High	21.04	-0.34	20.70	18.55
5	5	QPSK	Low	22.11	-0.34	21.77	19.62
5	5	QPSK	Mid	22.15	-0.34	21.81	19.66
5	5	QPSK	High	22.09	-0.34	21.75	19.60
5	5	16QAM	Low	21.20	-0.34	20.86	18.71
5	5	16QAM	Mid	21.23	-0.34	20.89	18.74
5	5	16QAM	High	21.14	-0.34	20.80	18.65
5	10	QPSK	Low	22.20	-0.34	21.86	19.71
5	10	QPSK	Mid	22.19	-0.34	21.85	19.70
5	10	QPSK	High	22.14	-0.34	21.80	19.65
5	10	16QAM	Low	21.18	-0.34	20.84	18.69
5	10	16QAM	Mid	21.20	-0.34	20.86	18.71
5	10	16QAM	High	21.12	-0.34	20.78	18.63
7	5	QPSK	Low	20.56	-0.77	19.79	17.64
7	5	QPSK	Mid	20.70	-0.77	19.93	17.78
7	5	QPSK	High	20.64	-0.77	19.87	17.72
7	5	16QAM	Low	19.75	-0.77	18.98	16.83
7	5	16QAM	Mid	19.84	-0.77	19.07	16.92
7	5	16QAM	High	19.80	-0.77	19.03	16.88
7	10	QPSK	Low	20.60	-0.77	19.83	17.68
7	10	QPSK	Mid	20.63	-0.77	19.86	17.71
7	10	QPSK	High	20.64	-0.77	19.87	17.72

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
 Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
7	10	16QAM	Low	19.78	-0.77	19.01	16.86
7	10	16QAM	Mid	19.82	-0.77	19.05	16.90
7	10	16QAM	High	19.73	-0.77	18.96	16.81
7	15	QPSK	Low	20.54	-0.77	19.77	17.62
7	15	QPSK	Mid	20.64	-0.77	19.87	17.72
7	15	QPSK	High	20.67	-0.77	19.90	17.75
7	15	16QAM	Low	19.83	-0.77	19.06	16.91
7	15	16QAM	Mid	19.88	-0.77	19.11	16.96
7	15	16QAM	High	19.83	-0.77	19.06	16.91
7	20	QPSK	Low	20.63	-0.77	19.86	17.71
7	20	QPSK	Mid	20.72	-0.77	19.95	17.80
7	20	QPSK	High	20.69	-0.77	19.92	17.77
7	20	16QAM	Low	19.81	-0.77	19.04	16.89
7	20	16QAM	Mid	19.89	-0.77	19.12	16.97
7	20	16QAM	High	19.83	-0.77	19.06	16.91
12	1.4	QPSK	Low	22.13	-1.97	20.16	18.01
12	1.4	QPSK	Mid	22.24	-1.97	20.27	18.12
12	1.4	QPSK	High	22.14	-1.97	20.17	18.02
12	1.4	16QAM	Low	21.28	-1.97	19.31	17.16
12	1.4	16QAM	Mid	21.30	-1.97	19.33	17.18
12	1.4	16QAM	High	21.20	-1.97	19.23	17.08
12	3	QPSK	Low	22.18	-1.97	20.21	18.06
12	3	QPSK	Mid	22.17	-1.97	20.20	18.05
12	3	QPSK	High	22.13	-1.97	20.16	18.01
12	3	16QAM	Low	21.29	-1.97	19.32	17.17
12	3	16QAM	Mid	21.24	-1.97	19.27	17.12
12	3	16QAM	High	21.14	-1.97	19.17	17.02
12	5	QPSK	Low	22.12	-1.97	20.15	18.00
12	5	QPSK	Mid	22.21	-1.97	20.24	18.09
12	5	QPSK	High	22.20	-1.97	20.23	18.08
12	5	16QAM	Low	21.23	-1.97	19.26	17.11
12	5	16QAM	Mid	21.34	-1.97	19.37	17.22
12	5	16QAM	High	21.25	-1.97	19.28	17.13
12	10	QPSK	Low	22.21	-1.97	20.24	18.09
12	10	QPSK	Mid	22.29	-1.97	20.32	18.17
12	10	QPSK	High	22.22	-1.97	20.25	18.10
12	10	16QAM	Low	21.23	-1.97	19.26	17.11
12	10	16QAM	Mid	21.31	-1.97	19.34	17.19
12	10	16QAM	High	21.23	-1.97	19.26	17.11
13	5	QPSK	Low	21.78	0.33	22.11	19.96
13	5	QPSK	Mid	22.04	0.33	22.37	20.22

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
 Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
13	5	QPSK	High	21.73	0.33	22.06	19.91
13	5	16QAM	Low	20.82	0.33	21.15	19.00
13	5	16QAM	Mid	21.33	0.33	21.66	19.51
13	5	16QAM	High	20.77	0.33	21.10	18.95
13	10	QPSK	Low	/	/	/	/
13	10	QPSK	Mid	22.08	0.33	22.41	20.26
13	10	QPSK	High	/	/	/	/
13	10	16QAM	Low	/	/	/	/
13	10	16QAM	Mid	21.30	0.33	21.63	19.48
13	10	16QAM	High	/	/	/	/
14	5	QPSK	Low	21.97	0.5	22.47	20.32
14	5	QPSK	Mid	22.09	0.5	22.59	20.44
14	5	QPSK	High	21.58	0.5	22.08	19.93
14	5	16QAM	Low	20.65	0.5	21.15	19.00
14	5	16QAM	Mid	21.03	0.5	21.53	19.38
14	5	16QAM	High	20.80	0.5	21.30	19.15
14	10	QPSK	Low	/	/	/	/
14	10	QPSK	Mid	22.13	0.5	22.63	20.48
14	10	QPSK	High	/	/	/	/
14	10	16QAM	Low	/	/	/	/
14	10	16QAM	Mid	21.02	0.5	21.52	19.37
14	10	16QAM	High	/	/	/	/
17	5	QPSK	Low	22.19	-1.97	20.22	18.07
17	5	QPSK	Mid	22.19	-1.97	20.22	18.07
17	5	QPSK	High	22.16	-1.97	20.19	18.04
17	5	16QAM	Low	21.45	-1.97	19.48	17.33
17	5	16QAM	Mid	21.41	-1.97	19.44	17.29
17	5	16QAM	High	21.35	-1.97	19.38	17.23
17	10	QPSK	Low	22.22	-1.97	20.25	18.10
17	10	QPSK	Mid	22.24	-1.97	20.27	18.12
17	10	QPSK	High	22.21	-1.97	20.24	18.09
17	10	16QAM	Low	21.39	-1.97	19.42	17.27
17	10	16QAM	Mid	21.58	-1.97	19.61	17.46
17	10	16QAM	High	21.41	-1.97	19.44	17.29
25	1.4	QPSK	Low	21.51	-0.84	20.67	18.52
25	1.4	QPSK	Mid	21.57	-0.84	20.73	18.58
25	1.4	QPSK	High	21.47	-0.84	20.63	18.48
25	1.4	16QAM	Low	20.51	-0.84	19.67	17.52
25	1.4	16QAM	Mid	20.48	-0.84	19.64	17.49
25	1.4	16QAM	High	20.42	-0.84	19.58	17.43
25	3	QPSK	Low	21.47	-0.84	20.63	18.48

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
 Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
25	3	QPSK	Mid	21.55	-0.84	20.71	18.56
25	3	QPSK	High	21.51	-0.84	20.67	18.52
25	3	16QAM	Low	20.49	-0.84	19.65	17.50
25	3	16QAM	Mid	20.43	-0.84	19.59	17.44
25	3	16QAM	High	20.28	-0.84	19.44	17.29
25	5	QPSK	Low	21.52	-0.84	20.68	18.53
25	5	QPSK	Mid	21.56	-0.84	20.72	18.57
25	5	QPSK	High	21.46	-0.84	20.62	18.47
25	5	16QAM	Low	20.39	-0.84	19.55	17.40
25	5	16QAM	Mid	20.40	-0.84	19.56	17.41
25	5	16QAM	High	20.31	-0.84	19.47	17.32
25	10	QPSK	Low	21.56	-0.84	20.72	18.57
25	10	QPSK	Mid	21.57	-0.84	20.73	18.58
25	10	QPSK	High	21.50	-0.84	20.66	18.51
25	10	16QAM	Low	20.48	-0.84	19.64	17.49
25	10	16QAM	Mid	20.38	-0.84	19.54	17.39
25	10	16QAM	High	20.32	-0.84	19.48	17.33
25	15	QPSK	Low	21.50	-0.84	20.66	18.51
25	15	QPSK	Mid	21.58	-0.84	20.74	18.59
25	15	QPSK	High	21.53	-0.84	20.69	18.54
25	15	16QAM	Low	20.46	-0.84	19.62	17.47
25	15	16QAM	Mid	20.48	-0.84	19.64	17.49
25	15	16QAM	High	20.42	-0.84	19.58	17.43
25	20	QPSK	Low	21.59	-0.84	20.75	18.60
25	20	QPSK	Mid	21.62	-0.84	20.78	18.63
25	20	QPSK	High	21.55	-0.84	20.71	18.56
25	20	16QAM	Low	20.42	-0.84	19.58	17.43
25	20	16QAM	Mid	20.45	-0.84	19.61	17.46
25	20	16QAM	High	20.38	-0.84	19.54	17.39
26(Part 22)	1.4	QPSK	Low	22.17	0.38	22.55	20.40
26(Part 22)	1.4	QPSK	Mid	22.09	0.38	22.47	20.32
26(Part 22)	1.4	QPSK	High	22.04	0.38	22.42	20.27
26(Part 22)	1.4	16QAM	Low	21.17	0.38	21.55	19.40
26(Part 22)	1.4	16QAM	Mid	21.36	0.38	21.74	19.59
26(Part 22)	1.4	16QAM	High	21.23	0.38	21.61	19.46
26(Part 22)	3	QPSK	Low	22.18	0.38	22.56	20.41
26(Part 22)	3	QPSK	Mid	22.06	0.38	22.44	20.29
26(Part 22)	3	QPSK	High	22.15	0.38	22.53	20.38
26(Part 22)	3	16QAM	Low	21.11	0.38	21.49	19.34
26(Part 22)	3	16QAM	Mid	21.26	0.38	21.64	19.49
26(Part 22)	3	16QAM	High	21.19	0.38	21.57	19.42

Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
 Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
26(Part 22)	5	QPSK	Low	22.22	0.38	22.60	20.45
26(Part 22)	5	QPSK	Mid	22.03	0.38	22.41	20.26
26(Part 22)	5	QPSK	High	22.15	0.38	22.53	20.38
26(Part 22)	5	16QAM	Low	21.20	0.38	21.58	19.43
26(Part 22)	5	16QAM	Mid	21.18	0.38	21.56	19.41
26(Part 22)	5	16QAM	High	21.12	0.38	21.50	19.35
26(Part 22)	10	QPSK	Low	22.16	0.38	22.54	20.39
26(Part 22)	10	QPSK	Mid	22.04	0.38	22.42	20.27
26(Part 22)	10	QPSK	High	22.18	0.38	22.56	20.41
26(Part 22)	10	16QAM	Low	21.18	0.38	21.56	19.41
26(Part 22)	10	16QAM	Mid	21.31	0.38	21.69	19.54
26(Part 22)	10	16QAM	High	21.26	0.38	21.64	19.49
26(Part 22)	15	QPSK	Low	22.25	0.38	22.63	20.48
26(Part 22)	15	QPSK	Mid	22.14	0.38	22.52	20.37
26(Part 22)	15	QPSK	High	22.20	0.38	22.58	20.43
26(Part 22)	15	16QAM	Low	21.14	0.38	21.52	19.37
26(Part 22)	15	16QAM	Mid	21.33	0.38	21.71	19.56
26(Part 22)	15	16QAM	High	21.25	0.38	21.63	19.48
26(Part 90)	1.4	QPSK	Low	22.00	0.38	22.38	20.23
26(Part 90)	1.4	QPSK	Mid	22.10	0.38	22.48	20.33
26(Part 90)	1.4	QPSK	High	22.04	0.38	22.42	20.27
26(Part 90)	1.4	16QAM	Low	21.25	0.38	21.63	19.48
26(Part 90)	1.4	16QAM	Mid	21.41	0.38	21.79	19.64
26(Part 90)	1.4	16QAM	High	21.08	0.38	21.46	19.31
26(Part 90)	3	QPSK	Low	22.04	0.38	22.42	20.27
26(Part 90)	3	QPSK	Mid	22.08	0.38	22.46	20.31
26(Part 90)	3	QPSK	High	22.03	0.38	22.41	20.26
26(Part 90)	3	16QAM	Low	21.21	0.38	21.59	19.44
26(Part 90)	3	16QAM	Mid	21.40	0.38	21.78	19.63
26(Part 90)	3	16QAM	High	21.20	0.38	21.58	19.43
26(Part 90)	5	QPSK	Low	22.06	0.38	22.44	20.29
26(Part 90)	5	QPSK	Mid	22.12	0.38	22.50	20.35
26(Part 90)	5	QPSK	High	22.05	0.38	22.43	20.28
26(Part 90)	5	16QAM	Low	21.22	0.38	21.60	19.45
26(Part 90)	5	16QAM	Mid	21.36	0.38	21.74	19.59
26(Part 90)	5	16QAM	High	21.11	0.38	21.49	19.34
26(Part 90)	10	QPSK	Low	/	/	/	/
26(Part 90)	10	QPSK	Mid	22.19	0.38	22.57	20.42
26(Part 90)	10	QPSK	High	/	/	/	/
26(Part 90)	10	16QAM	Low	/	/	/	/
26(Part 90)	10	16QAM	Mid	21.32	0.38	21.70	19.55

Chongqing Academy of Information and Communications Technology

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
26(Part 90)	10	16QAM	High	/	/	/	/
30	5	QPSK	Low	21.36	-0.28	21.08	18.93
30	5	QPSK	Mid	21.35	-0.28	21.07	18.92
30	5	QPSK	High	21.39	-0.28	21.11	18.96
30	5	16QAM	Low	20.48	-0.28	20.20	18.05
30	5	16QAM	Mid	20.60	-0.28	20.32	18.17
30	5	16QAM	High	20.51	-0.28	20.23	18.08
30	10	QPSK	Low	/	/	/	/
30	10	QPSK	Mid	21.41	-0.28	21.13	18.98
30	10	QPSK	High	/	/	/	/
30	10	16QAM	Low	/	/	/	/
30	10	16QAM	Mid	20.56	-0.28	20.28	18.13
30	10	16QAM	High	/	/	/	/
38	5	QPSK	Low	21.04	-1.08	19.96	17.81
38	5	QPSK	Mid	21.17	-1.08	20.09	17.94
38	5	QPSK	High	21.13	-1.08	20.05	17.90
38	5	16QAM	Low	19.90	-1.08	18.82	16.67
38	5	16QAM	Mid	19.92	-1.08	18.84	16.69
38	5	16QAM	High	19.99	-1.08	18.91	16.76
38	10	QPSK	Low	21.08	-1.08	20.00	17.85
38	10	QPSK	Mid	21.14	-1.08	20.06	17.91
38	10	QPSK	High	21.13	-1.08	20.05	17.90
38	10	16QAM	Low	19.99	-1.08	18.91	16.76
38	10	16QAM	Mid	19.85	-1.08	18.77	16.62
38	10	16QAM	High	19.96	-1.08	18.88	16.73
38	15	QPSK	Low	21.02	-1.08	19.94	17.79
38	15	QPSK	Mid	21.15	-1.08	20.07	17.92
38	15	QPSK	High	21.16	-1.08	20.08	17.93
38	15	16QAM	Low	19.97	-1.08	18.89	16.74
38	15	16QAM	Mid	20.00	-1.08	18.92	16.77
38	15	16QAM	High	20.06	-1.08	18.98	16.83
38	20	QPSK	Low	21.11	-1.08	20.03	17.88
38	20	QPSK	Mid	21.19	-1.08	20.11	17.96
38	20	QPSK	High	21.18	-1.08	20.10	17.95
38	20	16QAM	Low	19.98	-1.08	18.90	16.75
38	20	16QAM	Mid	19.97	-1.08	18.89	16.74
38	20	16QAM	High	20.02	-1.08	18.94	16.79
41	5	QPSK	Low	19.38	-0.52	18.86	16.71
41	5	QPSK	Mid	19.57	-0.52	19.05	16.90
41	5	QPSK	High	19.55	-0.52	19.03	16.88
41	5	16QAM	Low	18.42	-0.52	17.90	15.75

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Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
 Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
41	5	16QAM	Mid	18.49	-0.52	17.97	15.82
41	5	16QAM	High	18.56	-0.52	18.04	15.89
41	10	QPSK	Low	19.42	-0.52	18.90	16.75
41	10	QPSK	Mid	19.53	-0.52	19.01	16.86
41	10	QPSK	High	19.55	-0.52	19.03	16.88
41	10	16QAM	Low	18.47	-0.52	17.95	15.80
41	10	16QAM	Mid	18.46	-0.52	17.94	15.79
41	10	16QAM	High	18.53	-0.52	18.01	15.86
41	15	QPSK	Low	19.36	-0.52	18.84	16.69
41	15	QPSK	Mid	19.56	-0.52	19.04	16.89
41	15	QPSK	High	19.58	-0.52	19.06	16.91
41	15	16QAM	Low	18.47	-0.52	17.95	15.80
41	15	16QAM	Mid	18.56	-0.52	18.04	15.89
41	15	16QAM	High	18.63	-0.52	18.11	15.96
41	20	QPSK	Low	19.45	-0.52	18.93	16.78
41	20	QPSK	Mid	19.62	-0.52	19.10	16.95
41	20	QPSK	High	19.60	-0.52	19.08	16.93
41	20	16QAM	Low	18.45	-0.52	17.93	15.78
41	20	16QAM	Mid	18.52	-0.52	18.00	15.85
41	20	16QAM	High	18.59	-0.52	18.07	15.92
41(Note 1)	5	QPSK	Low	19.49	-0.52	18.97	16.82
41(Note 1)	5	QPSK	Mid	19.57	-0.52	19.05	16.90
41(Note 1)	5	QPSK	High	19.55	-0.52	19.03	16.88
41(Note 1)	5	16QAM	Low	18.37	-0.52	17.85	15.70
41(Note 1)	5	16QAM	Mid	18.49	-0.52	17.97	15.82
41(Note 1)	5	16QAM	High	18.56	-0.52	18.04	15.89
41(Note 1)	10	QPSK	Low	19.53	-0.52	19.01	16.86
41(Note 1)	10	QPSK	Mid	19.53	-0.52	19.01	16.86
41(Note 1)	10	QPSK	High	19.55	-0.52	19.03	16.88
41(Note 1)	10	16QAM	Low	18.46	-0.52	17.94	15.79
41(Note 1)	10	16QAM	Mid	18.46	-0.52	17.94	15.79
41(Note 1)	10	16QAM	High	18.53	-0.52	18.01	15.86
41(Note 1)	15	QPSK	Low	19.47	-0.52	18.95	16.80
41(Note 1)	15	QPSK	Mid	19.56	-0.52	19.04	16.89
41(Note 1)	15	QPSK	High	19.58	-0.52	19.06	16.91
41(Note 1)	15	16QAM	Low	18.44	-0.52	17.92	15.77
41(Note 1)	15	16QAM	Mid	18.56	-0.52	18.04	15.89
41(Note 1)	15	16QAM	High	18.63	-0.52	18.11	15.96
41(Note 1)	20	QPSK	Low	19.56	-0.52	19.04	16.89
41(Note 1)	20	QPSK	Mid	19.62	-0.52	19.10	16.95
41(Note 1)	20	QPSK	High	19.60	-0.52	19.08	16.93

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
41(Note 1)	20	16QAM	Low	18.40	-0.52	17.88	15.73
41(Note 1)	20	16QAM	Mid	18.52	-0.52	18.00	15.85
41(Note 1)	20	16QAM	High	18.59	-0.52	18.07	15.92
66	1.4	QPSK	Low	21.51	0.28	21.79	19.64
66	1.4	QPSK	Mid	21.55	0.28	21.83	19.68
66	1.4	QPSK	High	21.53	0.28	21.81	19.66
66	1.4	16QAM	Low	20.51	0.28	20.79	18.64
66	1.4	16QAM	Mid	20.64	0.28	20.92	18.77
66	1.4	16QAM	High	20.36	0.28	20.64	18.49
66	3	QPSK	Low	21.46	0.28	21.74	19.59
66	3	QPSK	Mid	21.52	0.28	21.80	19.65
66	3	QPSK	High	21.51	0.28	21.79	19.64
66	3	16QAM	Low	20.59	0.28	20.87	18.72
66	3	16QAM	Mid	20.70	0.28	20.98	18.83
66	3	16QAM	High	20.38	0.28	20.66	18.51
66	5	QPSK	Low	21.51	0.28	21.79	19.64
66	5	QPSK	Mid	21.51	0.28	21.79	19.64
66	5	QPSK	High	21.50	0.28	21.78	19.63
66	5	16QAM	Low	20.49	0.28	20.77	18.62
66	5	16QAM	Mid	20.66	0.28	20.94	18.79
66	5	16QAM	High	20.35	0.28	20.63	18.48
66	10	QPSK	Low	21.55	0.28	21.83	19.68
66	10	QPSK	Mid	21.48	0.28	21.76	19.61
66	10	QPSK	High	21.50	0.28	21.78	19.63
66	10	16QAM	Low	20.58	0.28	20.86	18.71
66	10	16QAM	Mid	20.46	0.28	20.74	18.59
66	10	16QAM	High	20.32	0.28	20.60	18.45
66	15	QPSK	Low	21.49	0.28	21.77	19.62
66	15	QPSK	Mid	21.49	0.28	21.77	19.62
66	15	QPSK	High	21.53	0.28	21.81	19.66
66	15	16QAM	Low	20.56	0.28	20.84	18.69
66	15	16QAM	Mid	20.65	0.28	20.93	18.78
66	15	16QAM	High	20.48	0.28	20.76	18.61
66	20	QPSK	Low	21.58	0.28	21.86	19.71
66	20	QPSK	Mid	21.59	0.28	21.87	19.72
66	20	QPSK	High	21.55	0.28	21.83	19.68
66	20	16QAM	Low	20.52	0.28	20.80	18.65
66	20	16QAM	Mid	20.67	0.28	20.95	18.80
66	20	16QAM	High	20.44	0.28	20.72	18.57
71	5	QPSK	Low	21.83	-2.02	19.81	17.66
71	5	QPSK	Mid	21.94	-2.02	19.92	17.77

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Band	BW	Modulation	Channel	Conducted(dBm)	Gain(dBi)	EIRP(dBm)	ERP(dBm)
71	5	QPSK	High	21.84	-2.02	19.82	17.67
71	5	16QAM	Low	21.24	-2.02	19.22	17.07
71	5	16QAM	Mid	21.31	-2.02	19.29	17.14
71	5	16QAM	High	21.21	-2.02	19.19	17.04
71	10	QPSK	Low	21.90	-2.02	19.88	17.73
71	10	QPSK	Mid	21.91	-2.02	19.89	17.74
71	10	QPSK	High	21.84	-2.02	19.82	17.67
71	10	16QAM	Low	21.26	-2.02	19.24	17.09
71	10	16QAM	Mid	21.17	-2.02	19.15	17.00
71	10	16QAM	High	21.18	-2.02	19.16	17.01
71	15	QPSK	Low	21.84	-2.02	19.82	17.67
71	15	QPSK	Mid	21.92	-2.02	19.90	17.75
71	15	QPSK	High	21.87	-2.02	19.85	17.70
71	15	16QAM	Low	21.28	-2.02	19.26	17.11
71	15	16QAM	Mid	21.27	-2.02	19.25	17.10
71	15	16QAM	High	21.25	-2.02	19.23	17.08
71	20	QPSK	Low	21.93	-2.02	19.91	17.76
71	20	QPSK	Mid	21.96	-2.02	19.94	17.79
71	20	QPSK	High	21.89	-2.02	19.87	17.72
71	20	16QAM	Low	21.26	-2.02	19.24	17.09
71	20	16QAM	Mid	21.32	-2.02	19.30	17.15
71	20	16QAM	High	21.24	-2.02	19.22	17.07

Note 1: This frequency range(2500-2690MHz) is only applicable for IC certification.

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6.3. 99% Occupied Bandwidth

Specifications:	FCC Part 2.1049 RSS-GEN 6.7
DUT Serial Number:	25B02W000004#S2
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	Pass

6.3.1. Summary

Similar to conducted emissions; occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the Mid frequencies of all bands.

6.3.2. Method of Measurement

The EUT output RF connector was connected with a short cable to the signal analyzer.

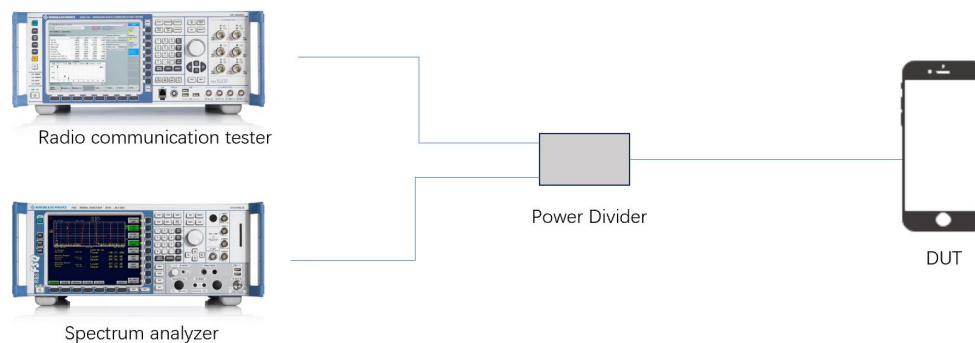
RBW was set to about 1% of emission BW, VBW $\geq$ 3 times RBW,.

99% bandwidth were measured, the occupied bandwidth is delta frequency between the two points where the display line intersects the signal trace.

6.3.3. Measurement Uncertainty

Expanded Uncertainty	1.52kHz (k=2)
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6.3.4. Test Setup



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6.3.5. Test result

Band	Range	BandWidth	Frequency(MHz)	QPSK(MHz)	16QAM(MHz)
FDD02	MidRange	1.4	1880	1.08	1.09
FDD02	MidRange	3	1880	2.69	2.69
FDD02	MidRange	5	1880	4.50	4.50
FDD02	MidRange	10	1880	8.94	8.94
FDD02	MidRange	15	1880	13.49	13.49
FDD02	MidRange	20	1880	17.98	17.98
FDD04	MidRange	1.4	1732.5	1.10	1.09
FDD04	MidRange	3	1732.5	2.69	2.69
FDD04	MidRange	5	1732.5	4.47	4.50
FDD04	MidRange	10	1732.5	8.94	8.94
FDD04	MidRange	15	1732.5	13.49	13.49
FDD04	MidRange	20	1732.5	17.98	17.98
FDD05	MidRange	1.4	836.5	1.09	1.08
FDD05	MidRange	3	836.5	2.68	2.68
FDD05	MidRange	5	836.5	4.47	4.47
FDD05	MidRange	10	836.5	8.94	8.94
FDD07	MidRange	5	2535	4.50	4.50
FDD07	MidRange	10	2535	8.99	8.94
FDD07	MidRange	15	2535	13.49	13.49
FDD07	MidRange	20	2535	17.98	17.98
FDD12	MidRange	1.4	707.5	1.09	1.08
FDD12	MidRange	3	707.5	2.69	2.69
FDD12	MidRange	5	707.5	4.50	4.50
FDD12	MidRange	10	707.5	8.99	8.99

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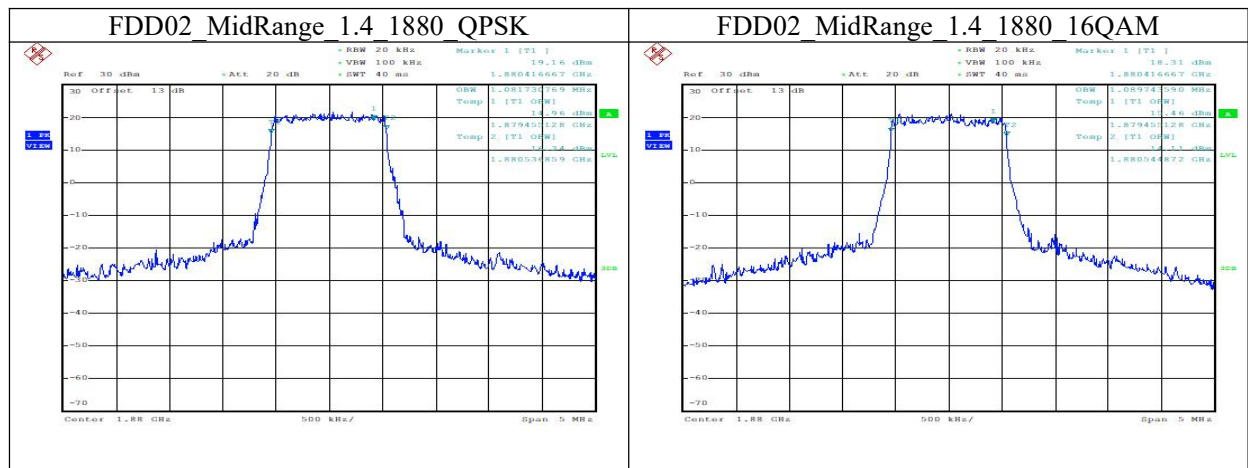
FDD13	MidRange	5	782	4.50	4.50
FDD13	MidRange	10	782	8.94	8.99
FDD14	MidRange	5	793	4.52	4.50
FDD14	MidRange	10	793	8.94	8.94
FDD17	MidRange	5	710	4.47	4.52
FDD17	MidRange	10	710	8.94	8.94
FDD25	MidRange	1.4	1882.5	1.09	1.09
FDD25	MidRange	3	1882.5	2.69	2.69
FDD25	MidRange	5	1882.5	4.50	4.50
FDD25	MidRange	10	1882.5	8.94	8.94
FDD25	MidRange	15	1882.5	13.49	13.49
FDD25	MidRange	20	1882.5	17.98	17.89
FDD26_22	MidRange	1.4	836.5	1.09	1.09
FDD26_22	MidRange	3	836.5	2.68	2.69
FDD26_22	MidRange	5	836.5	4.47	4.47
FDD26_22	MidRange	10	836.5	8.94	8.94
FDD26_22	MidRange	15	836.5	13.41	13.49
FDD26_90	MidRange	1.4	819	1.09	1.09
FDD26_90	MidRange	3	819	2.69	2.69
FDD26_90	MidRange	5	819	4.50	4.50
FDD26_90	MidRange	10	819	8.94	8.94
FDD30	MidRange	5	2310	4.50	4.50
FDD30	MidRange	10	2310	8.94	8.94
TDD38	MidRange	5	2595	4.52	4.47
TDD38	MidRange	10	2595	8.94	8.94
TDD38	MidRange	15	2595	13.49	13.49

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: 25B02W000004-001

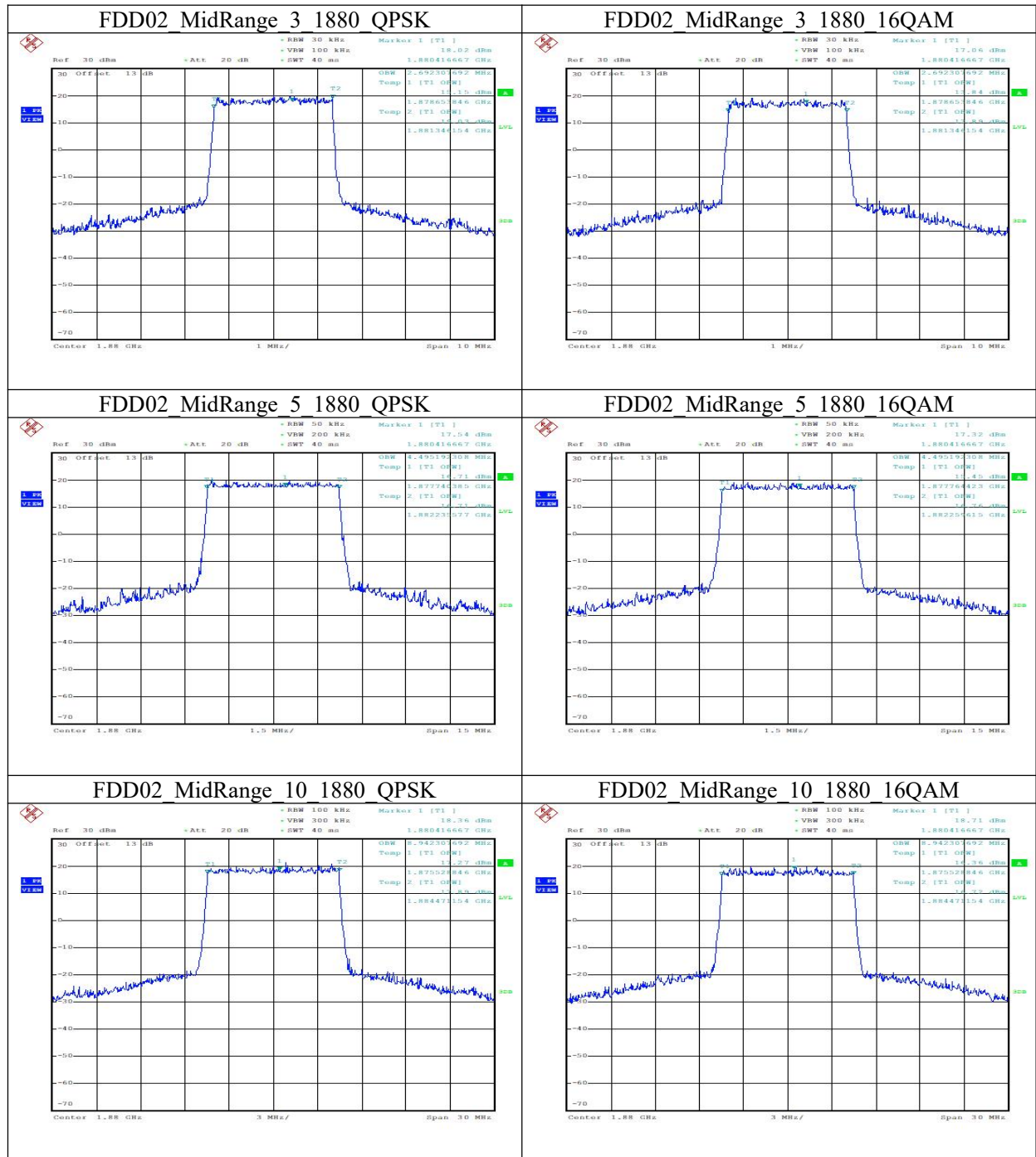
TDD38	MidRange	20	2595	17.89	17.89
TDD41	MidRange	5	2593	4.47	4.47
TDD41	MidRange	10	2593	8.99	8.94
TDD41	MidRange	15	2593	13.49	13.49
TDD41	MidRange	20	2593	17.98	17.98
FDD66	MidRange	1.4	1745	1.09	1.09
FDD66	MidRange	3	1745	2.68	2.69
FDD66	MidRange	5	1745	4.47	4.50
FDD66	MidRange	10	1745	8.94	8.99
FDD66	MidRange	15	1745	13.49	13.49
FDD66	MidRange	20	1745	17.98	17.98
FDD71	MidRange	5	680.5	4.47	4.50
FDD71	MidRange	10	680.5	8.94	8.99
FDD71	MidRange	15	680.5	13.41	13.49
FDD71	MidRange	20	683	17.98	17.98



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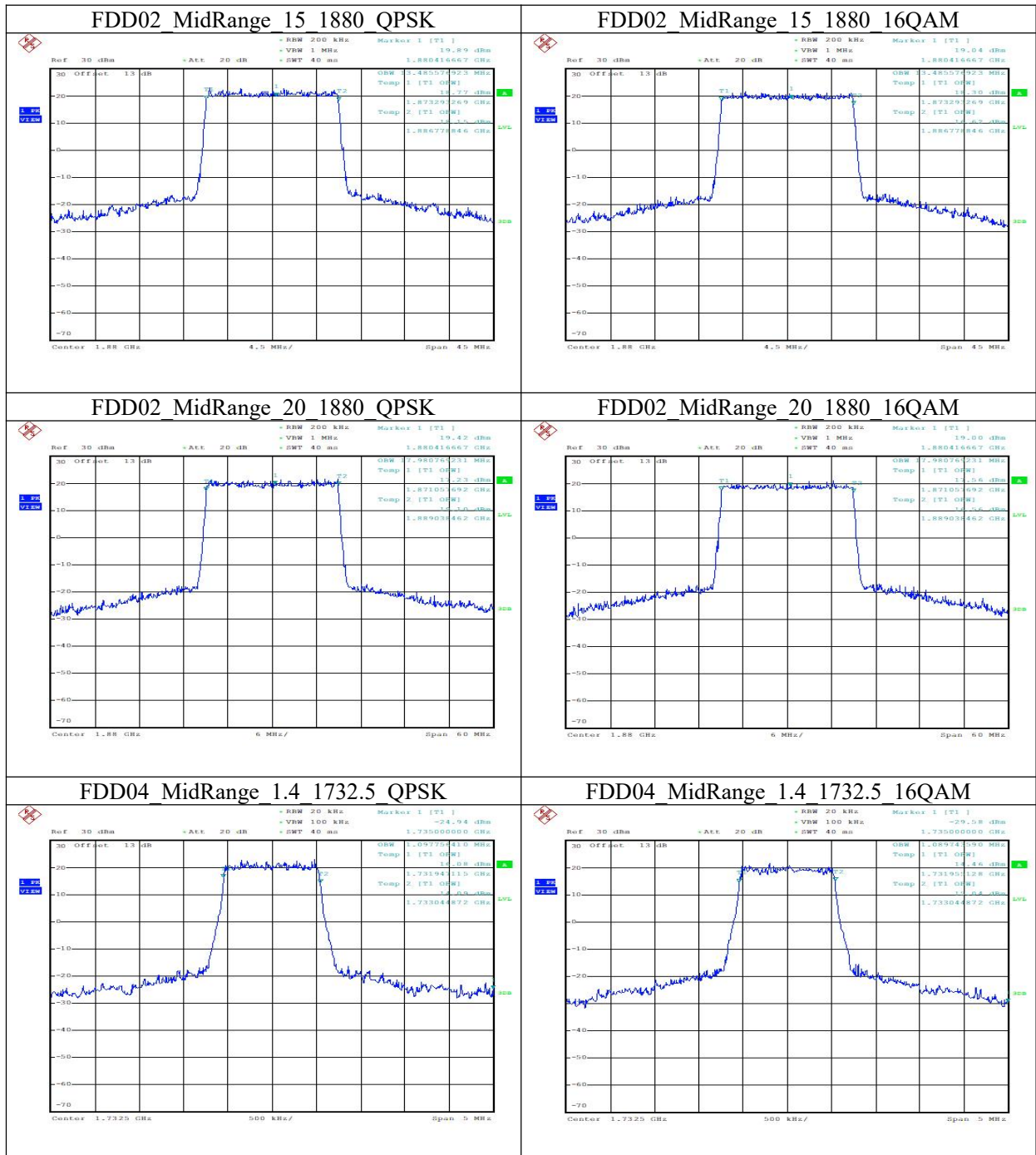
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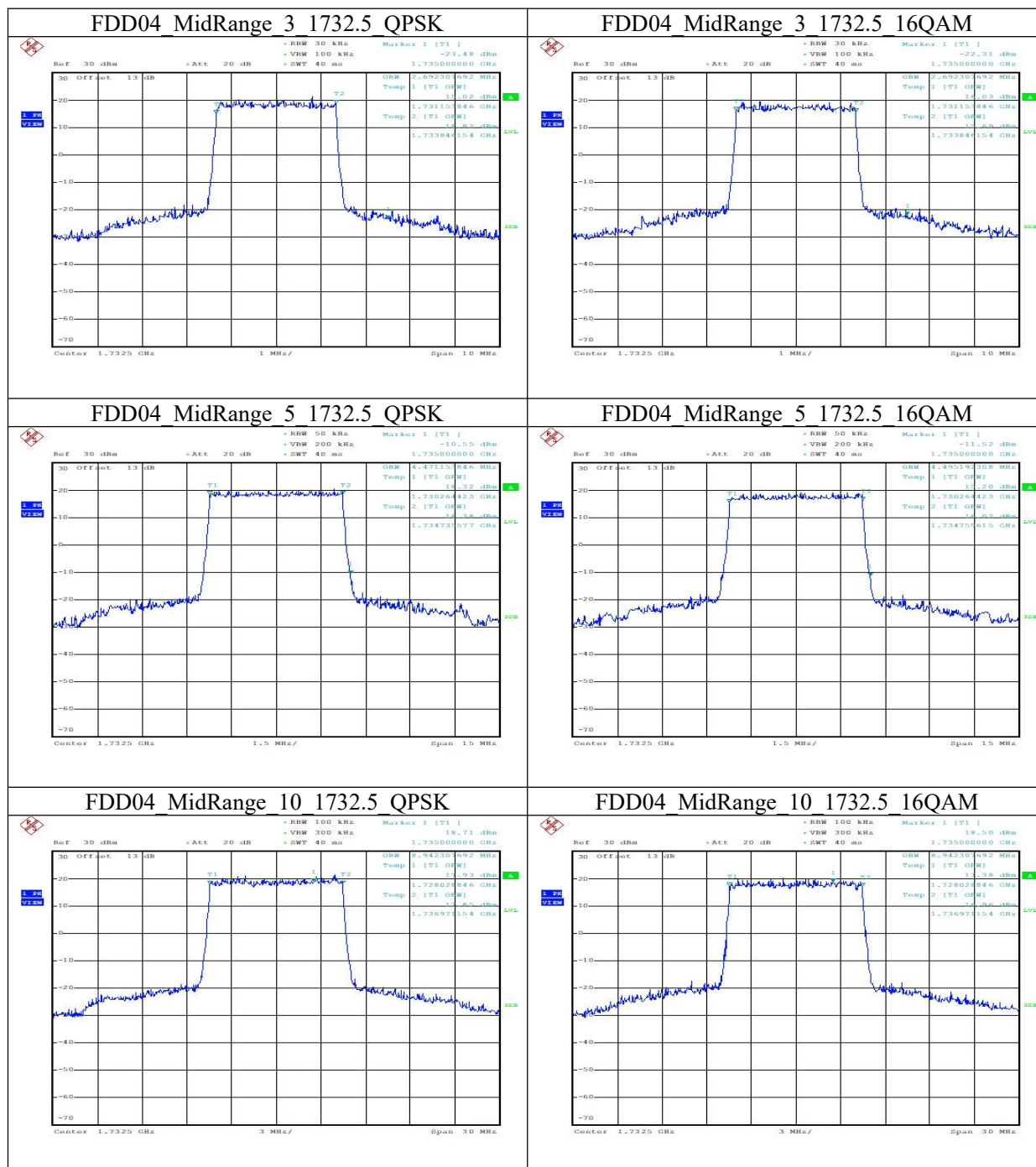
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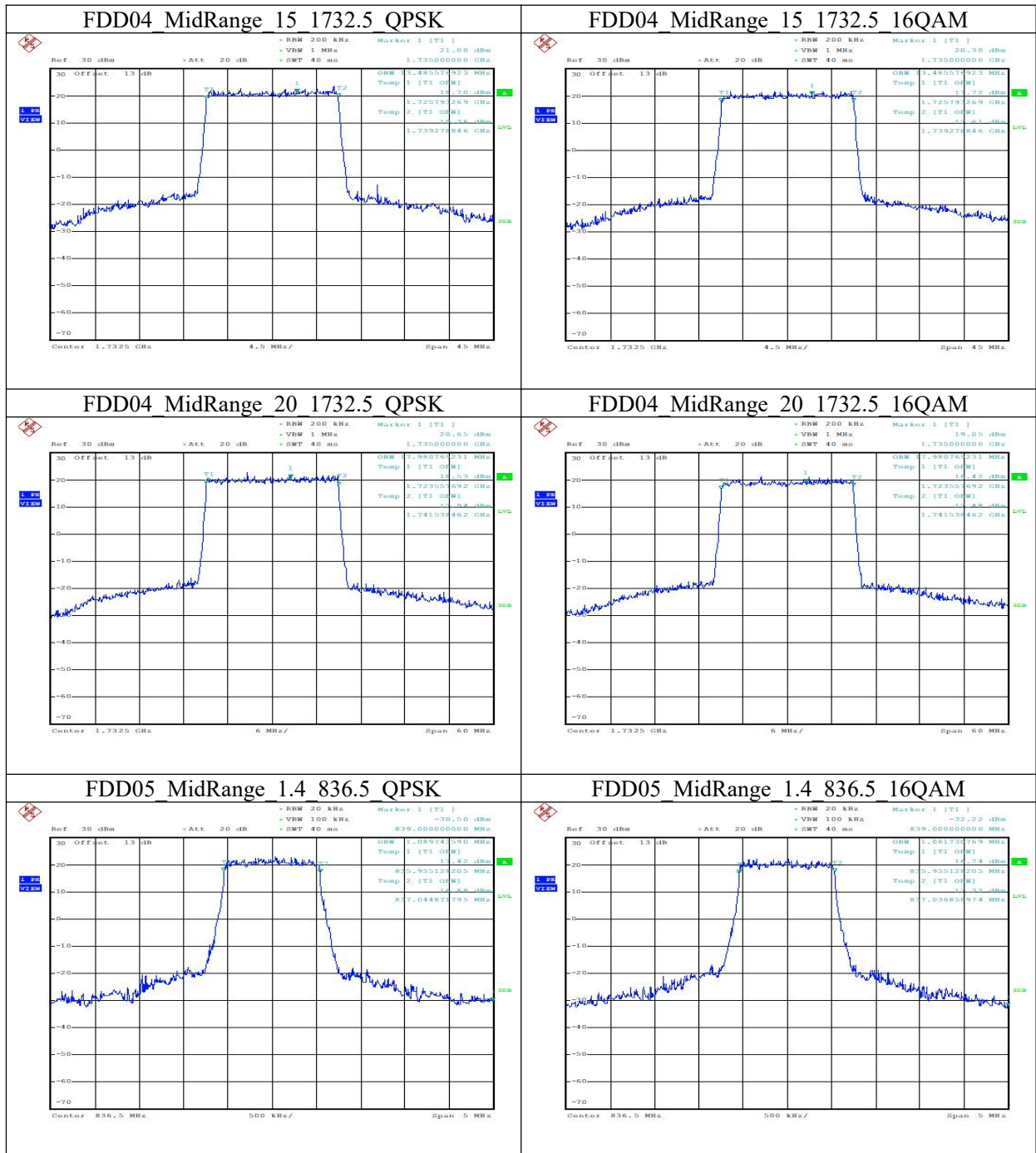
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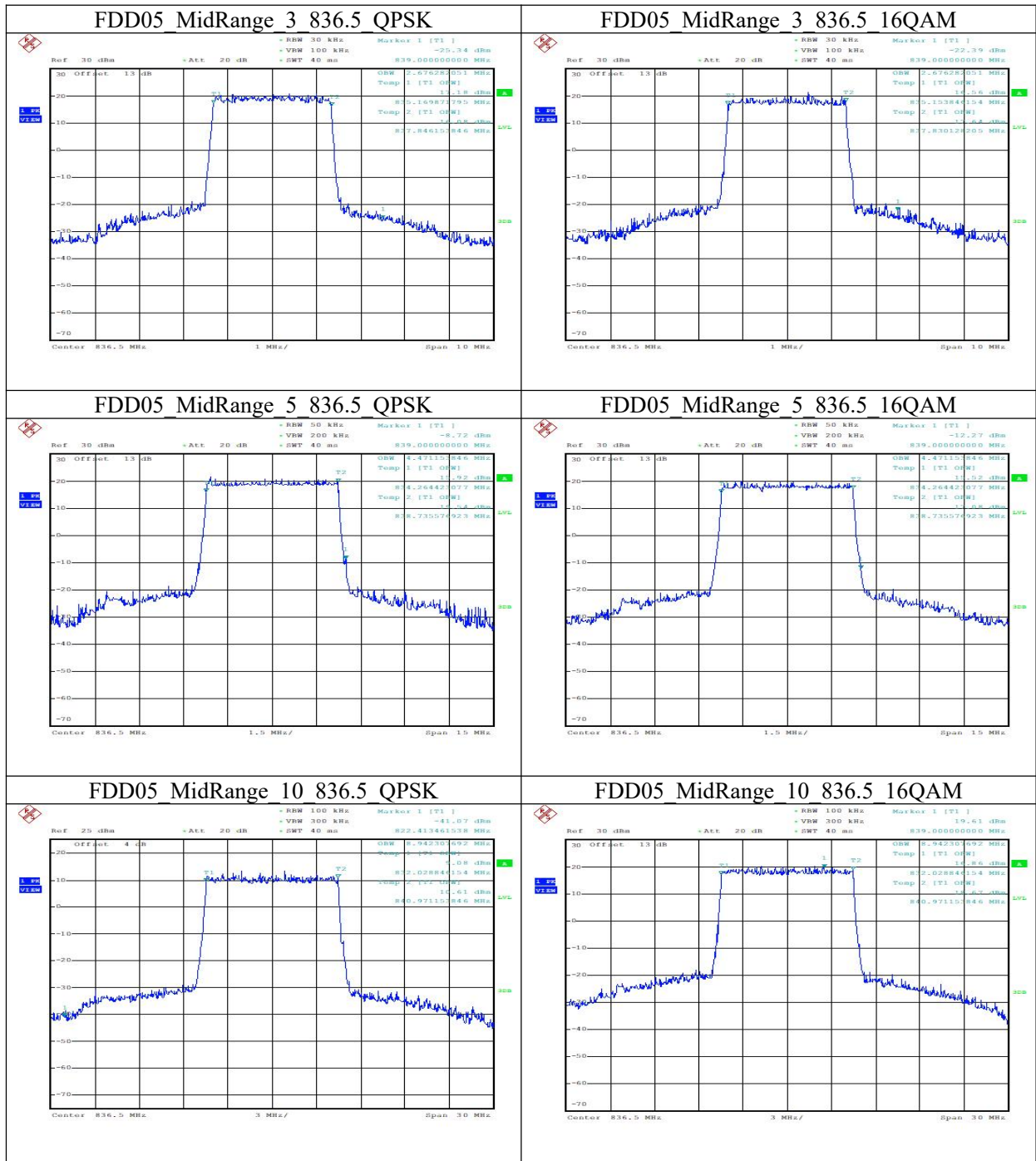
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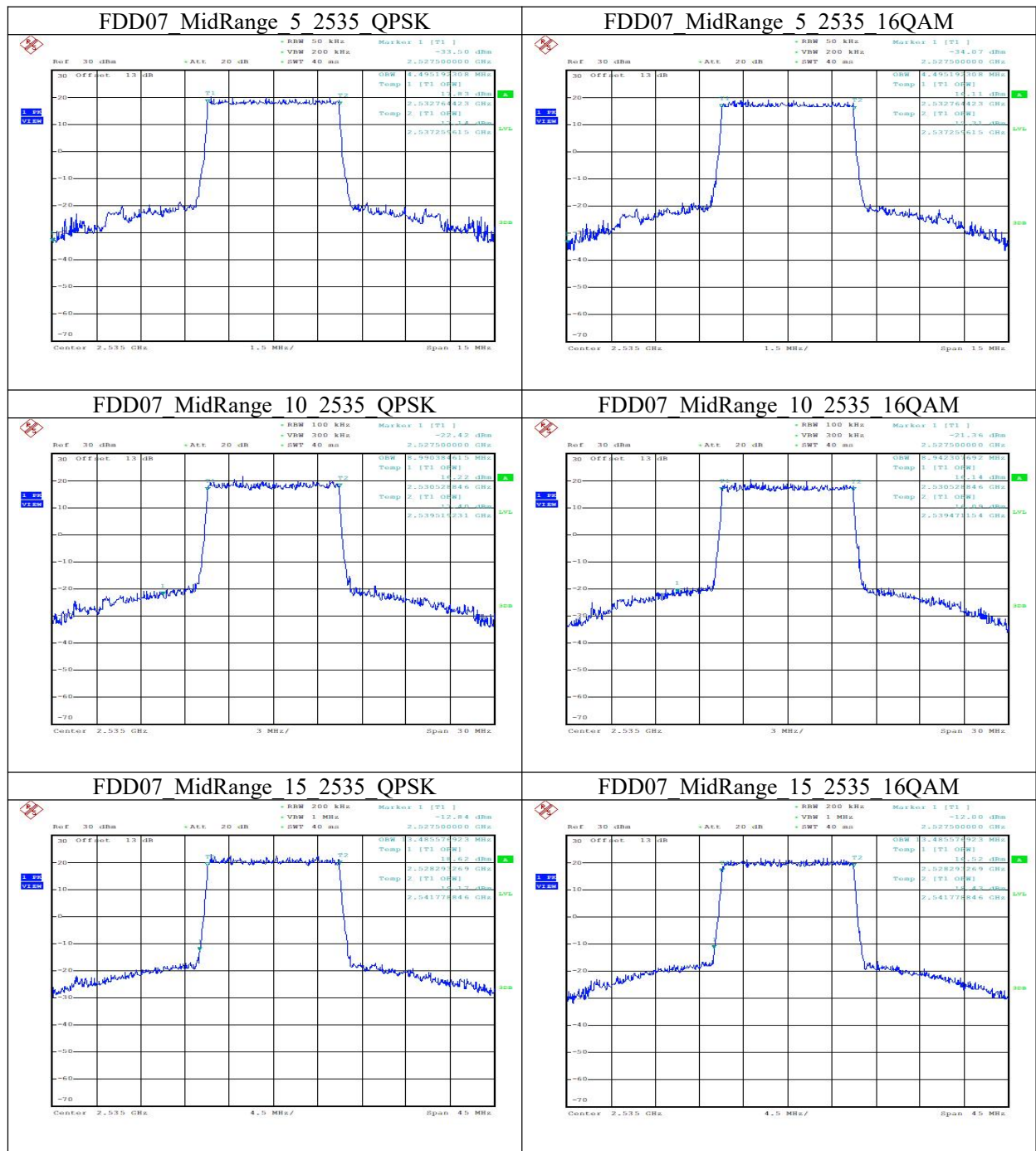
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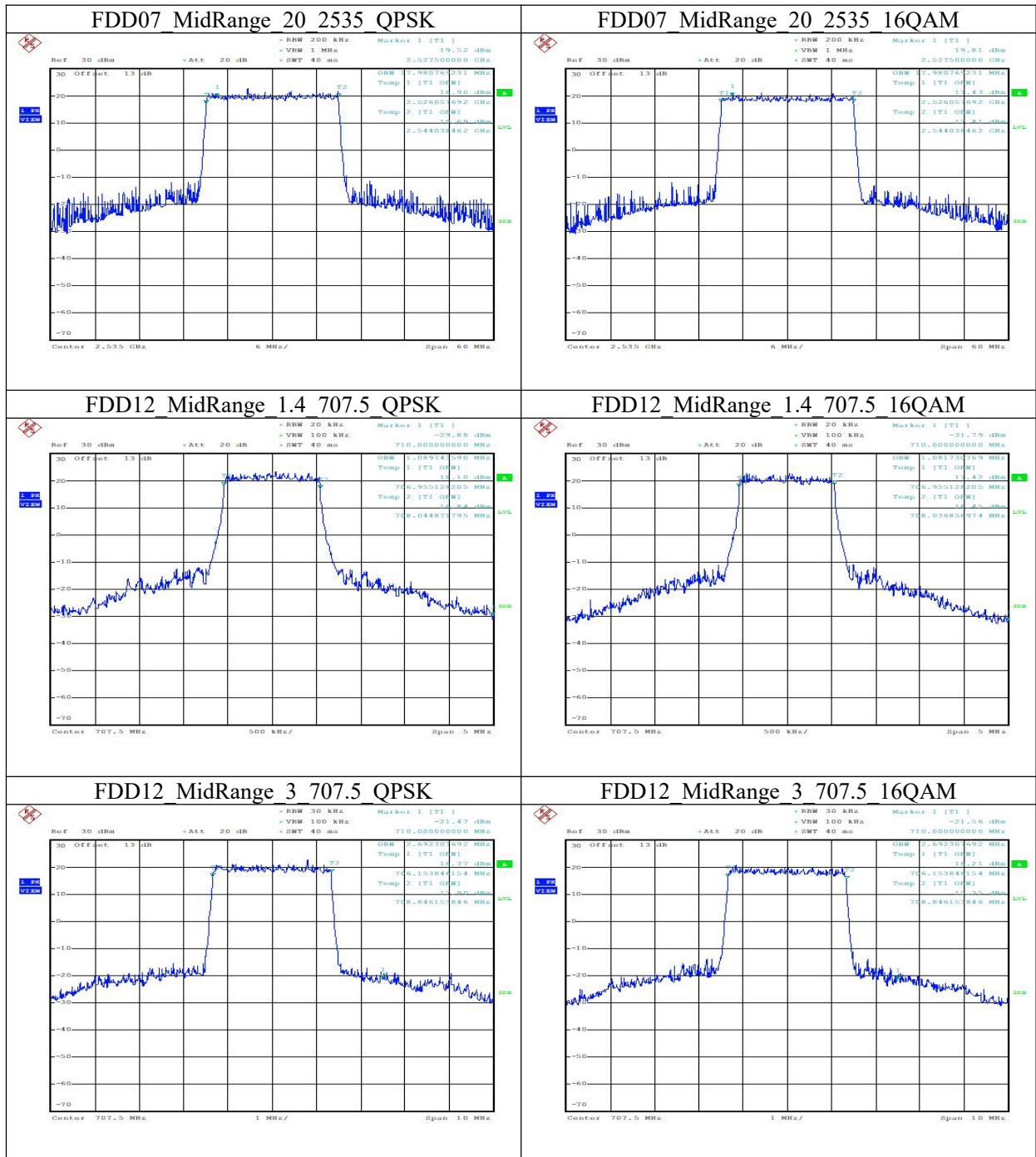
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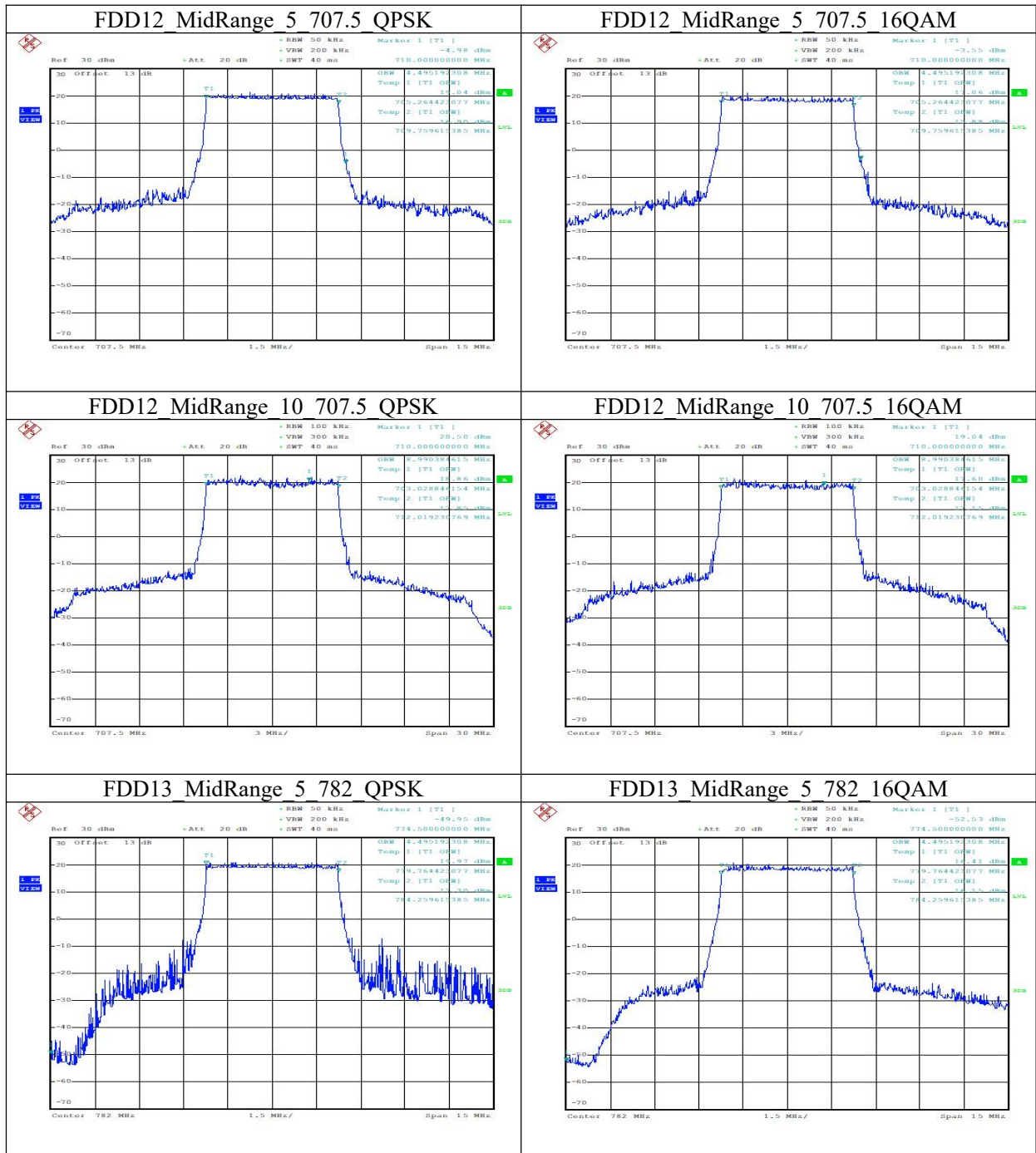
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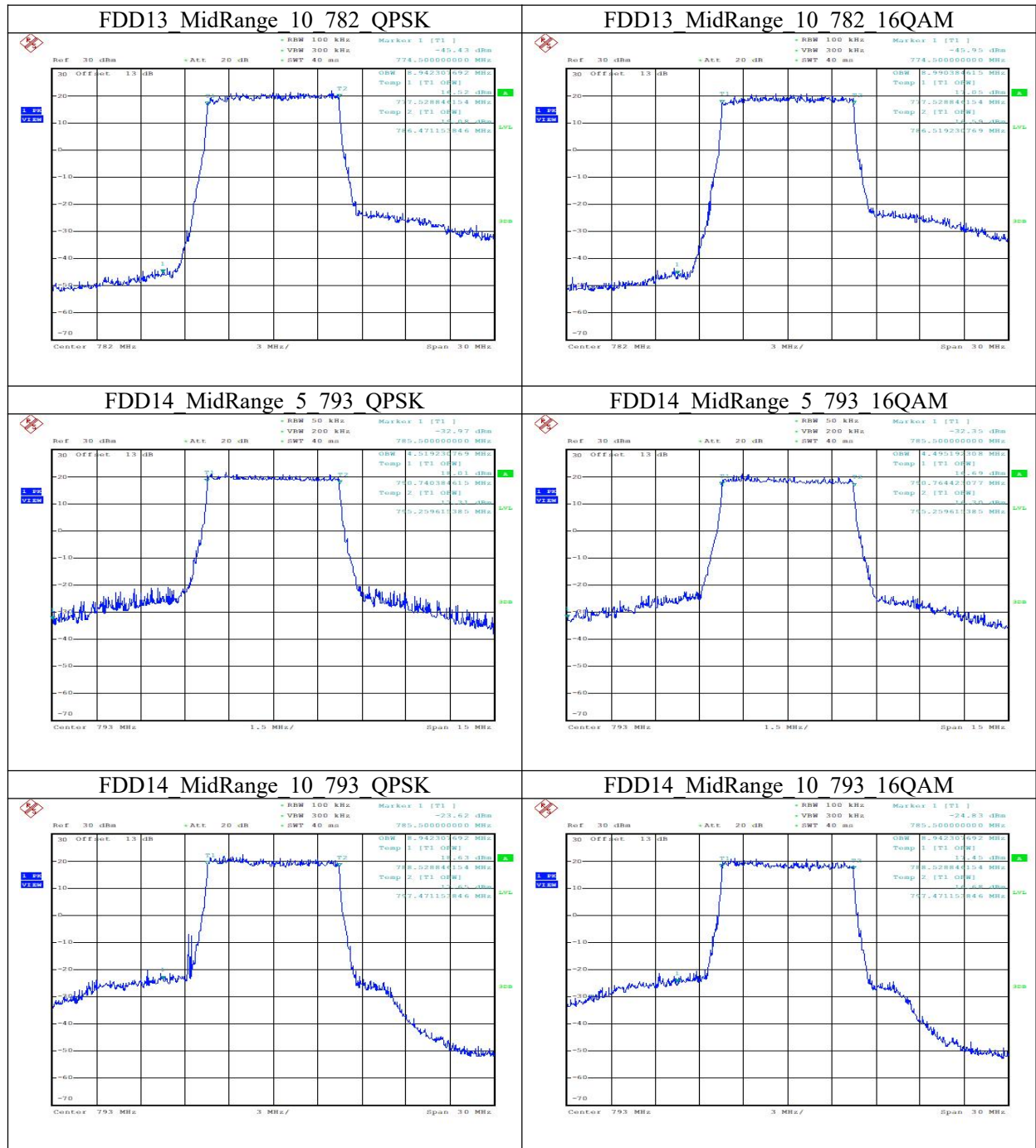
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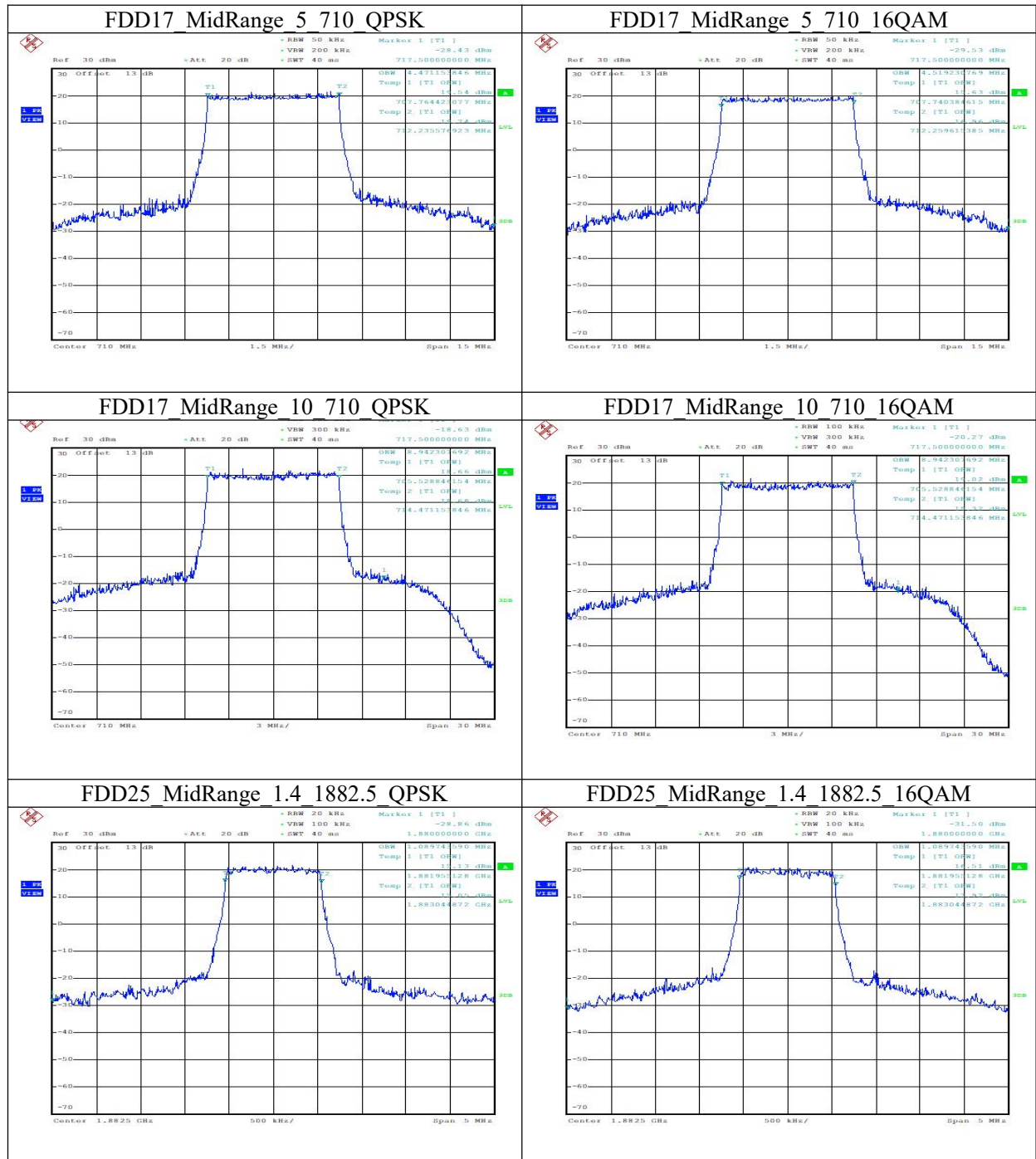
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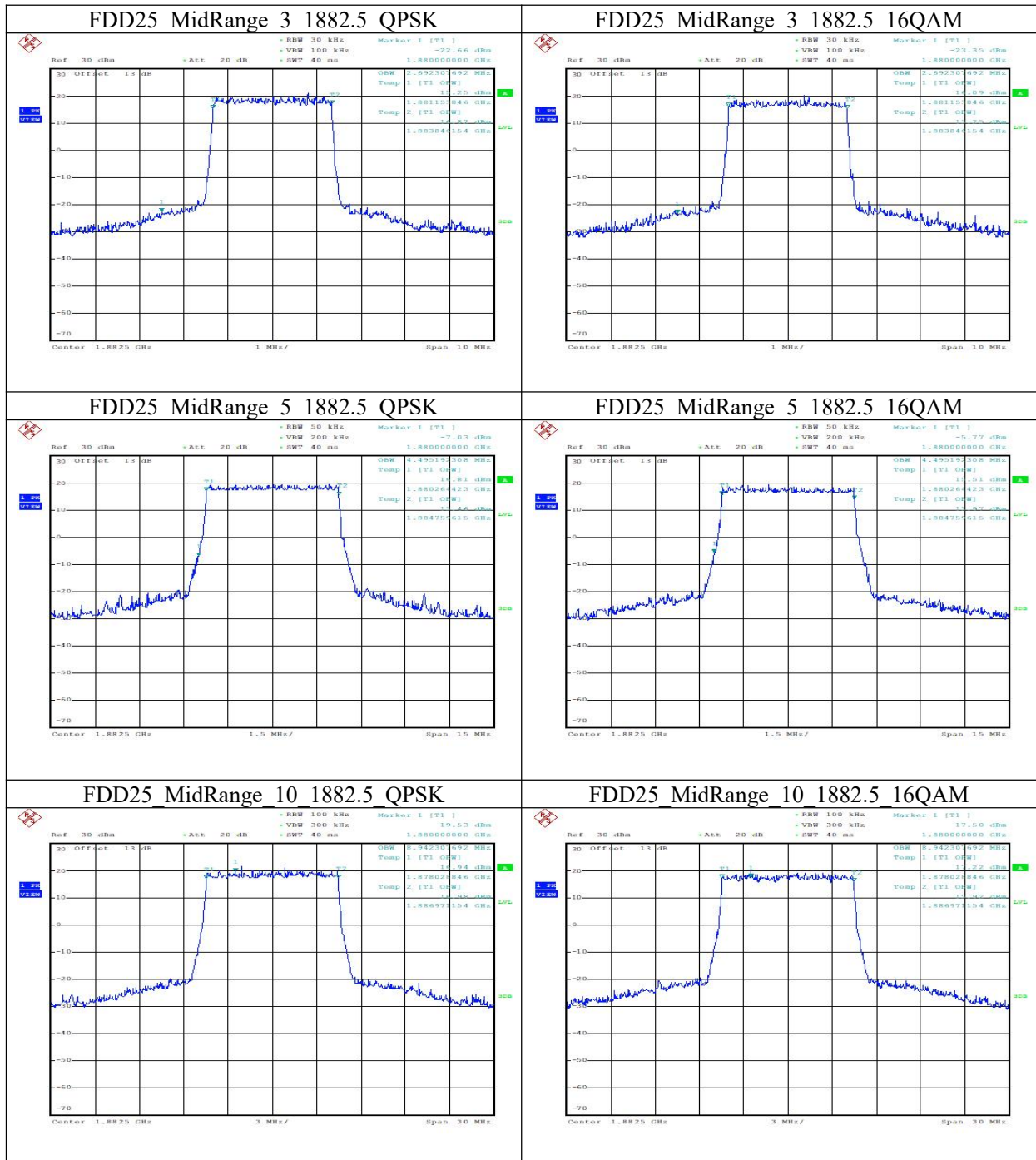
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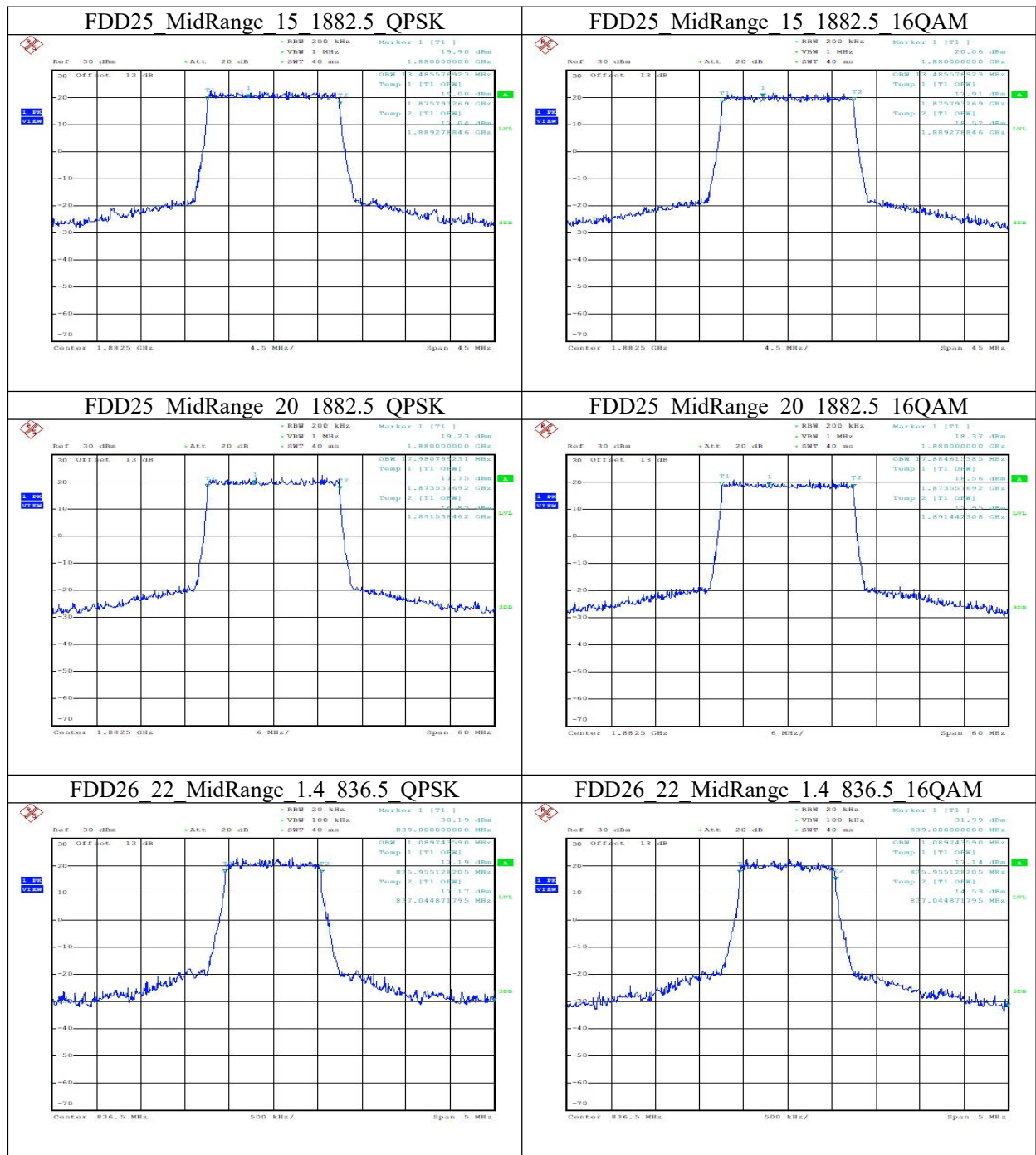
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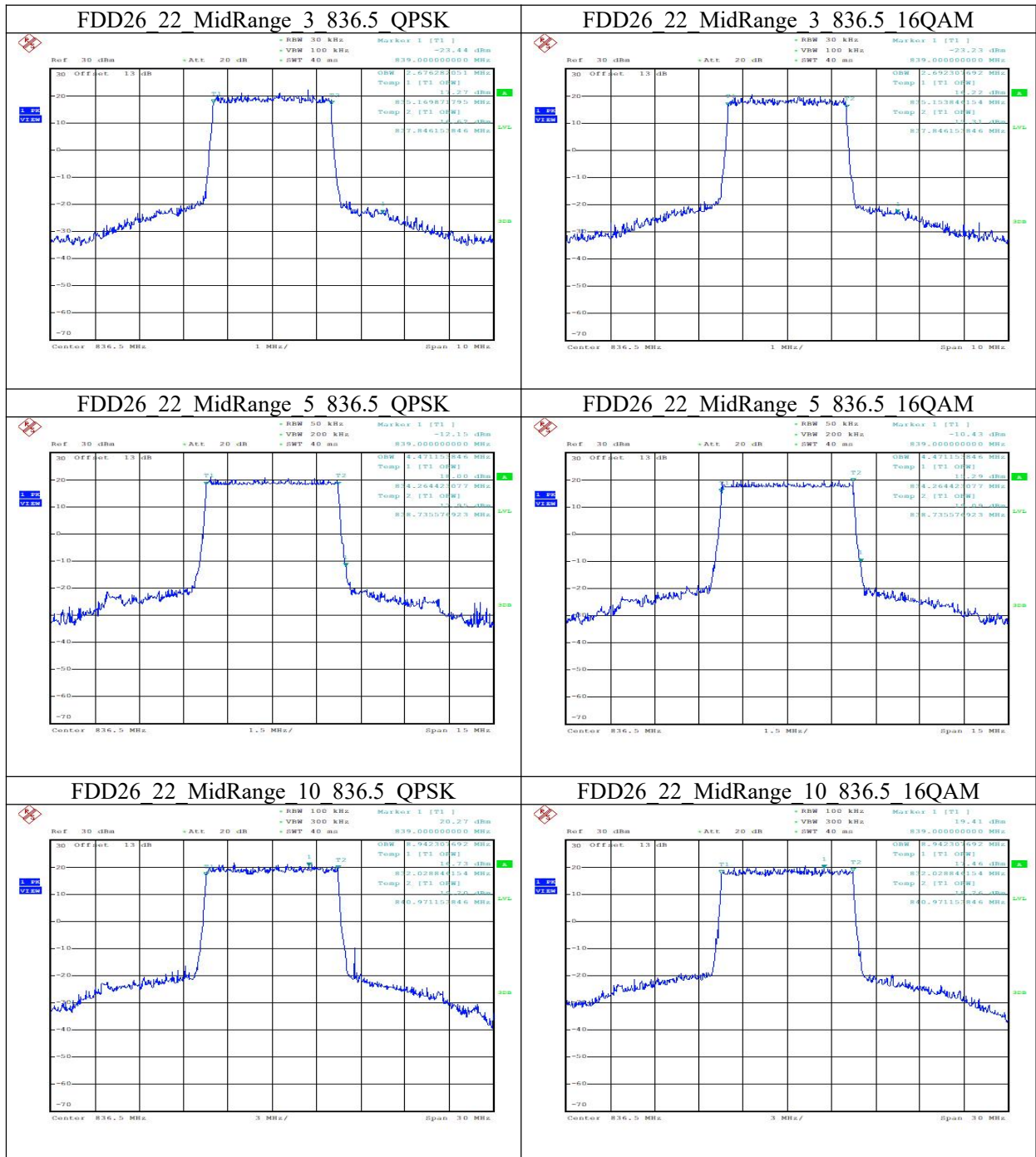
Chongqing Academy of Information and Communications Technology

Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336

Tel: 0086-23-88069965

FAX: 0086-23-88608777

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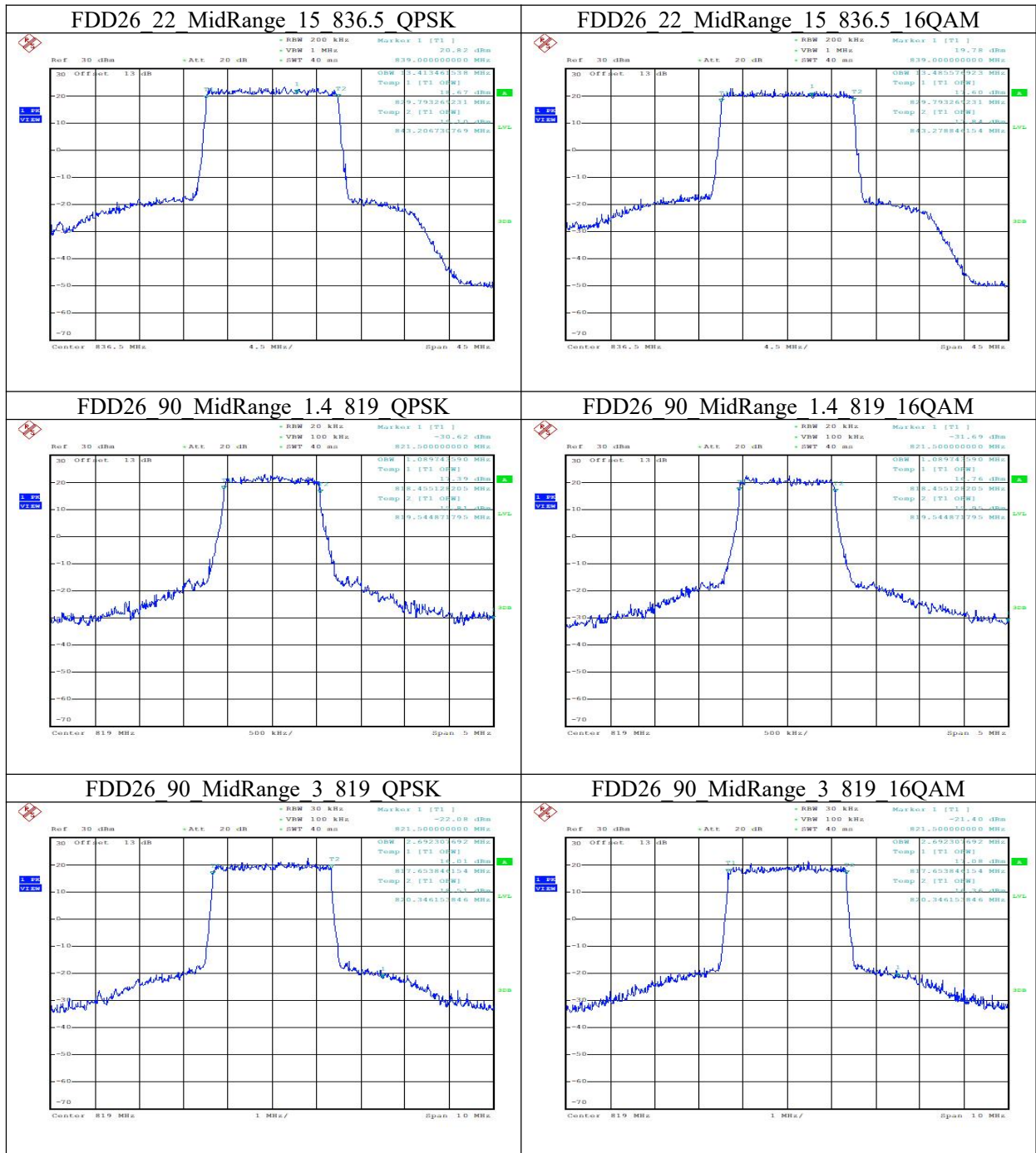
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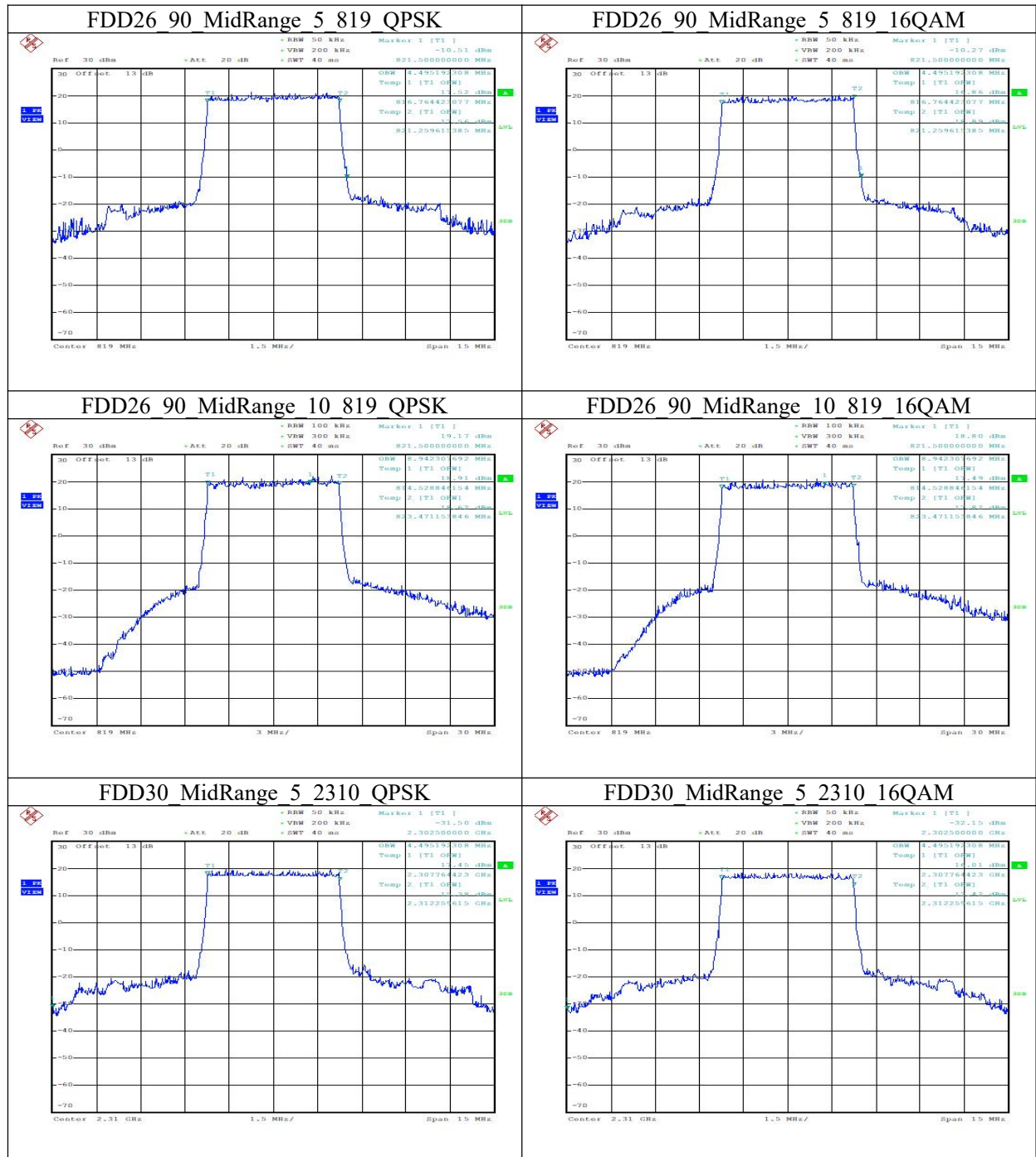
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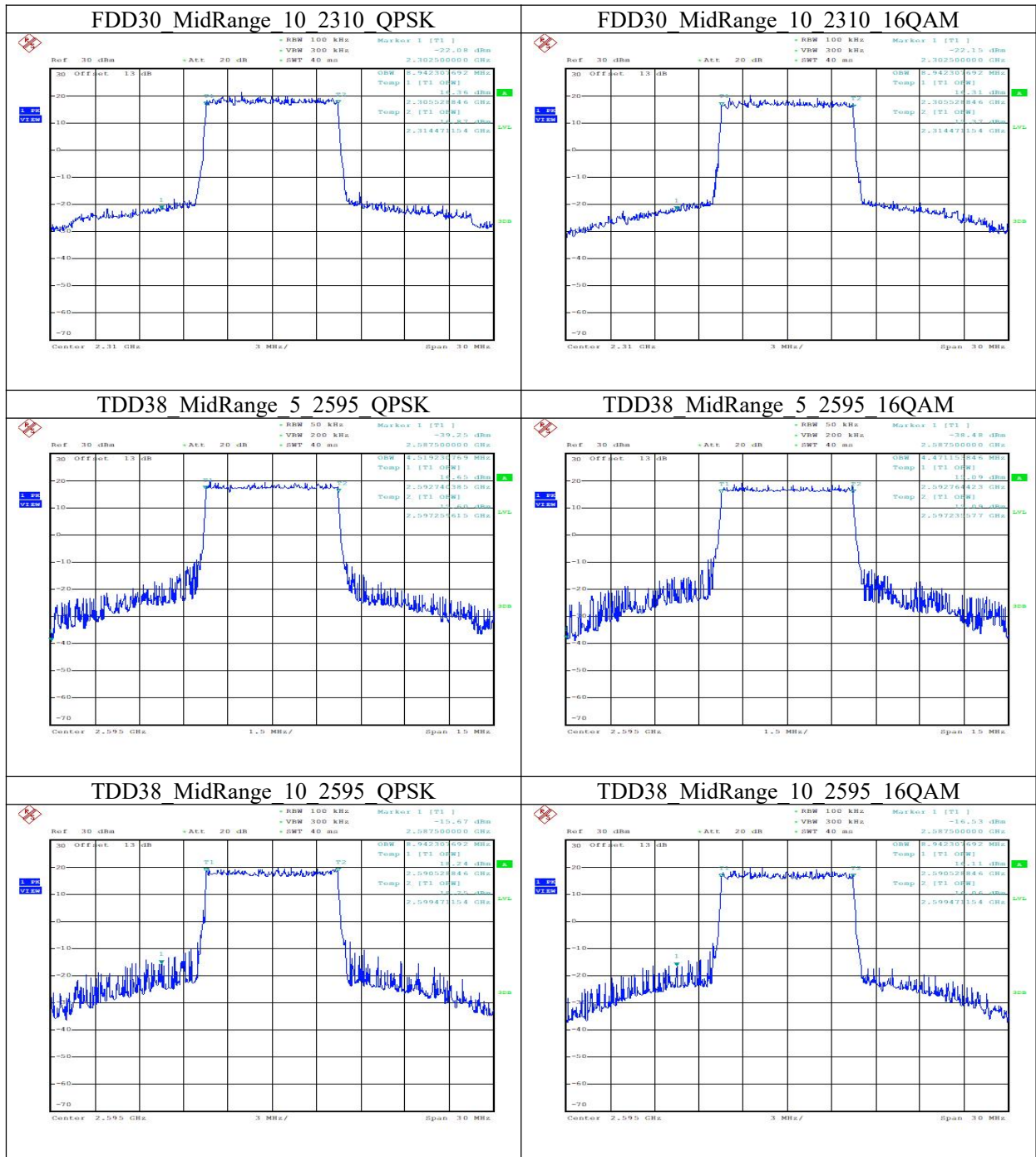
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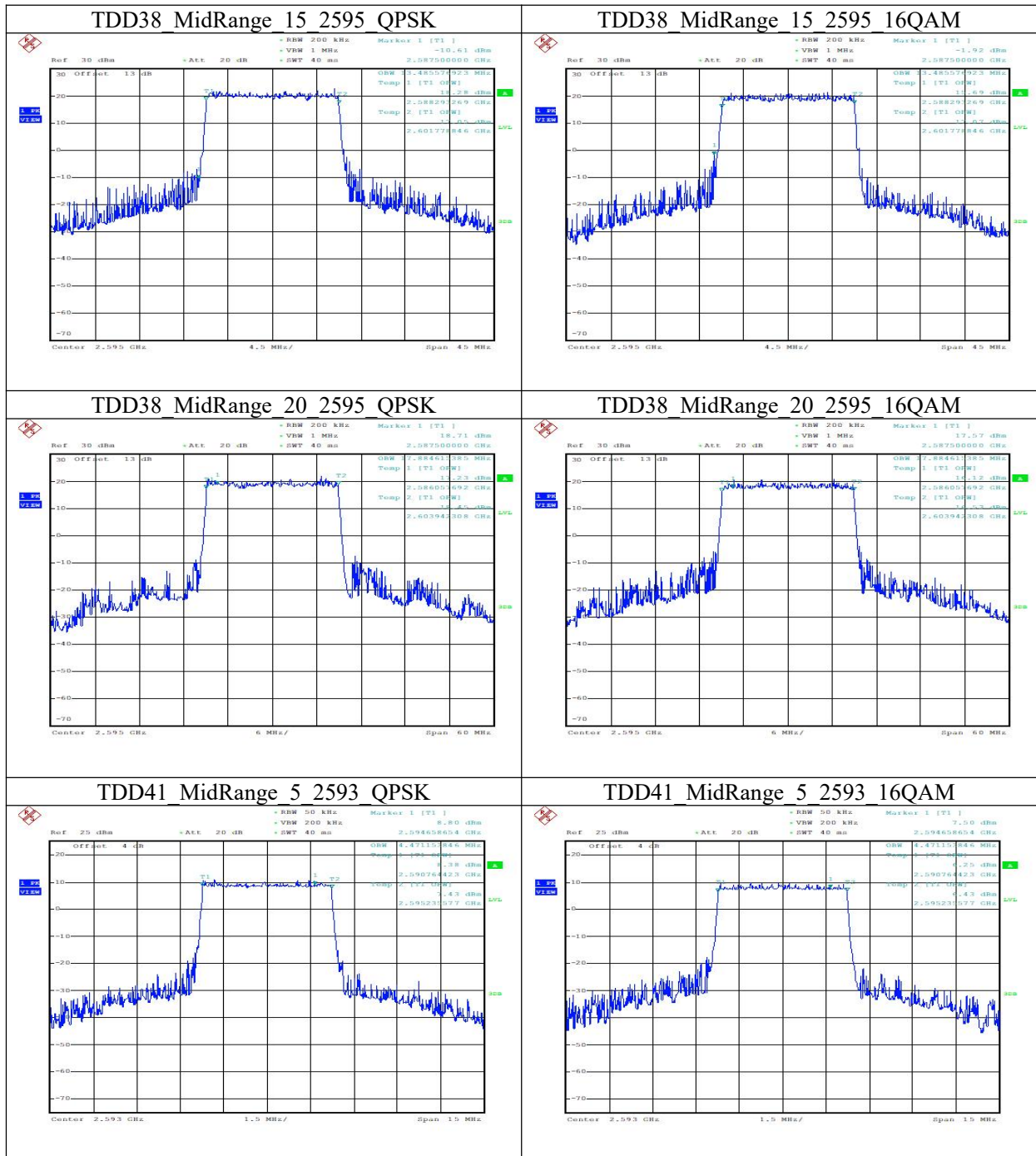
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