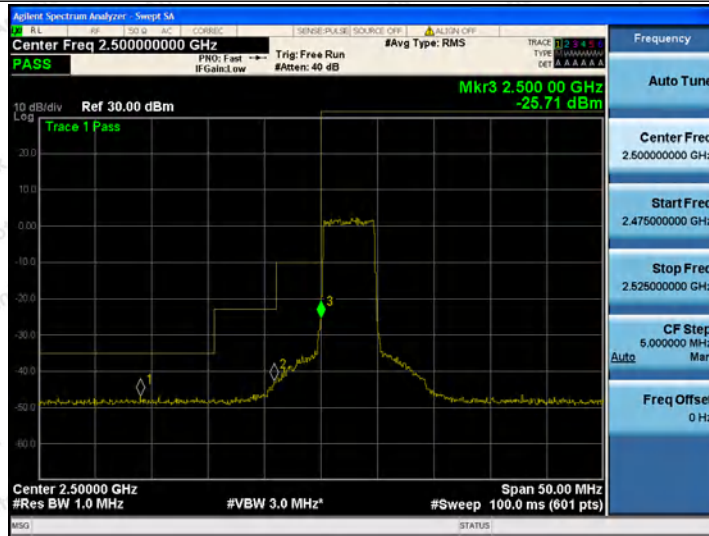




Band7-5MHz-QPSK-20775-25RB#0



Band7-5MHz-QPSK-21425-25RB#0



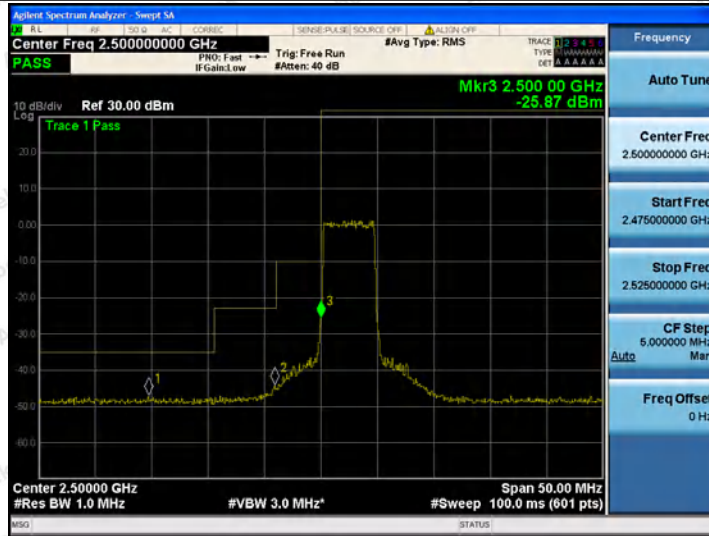
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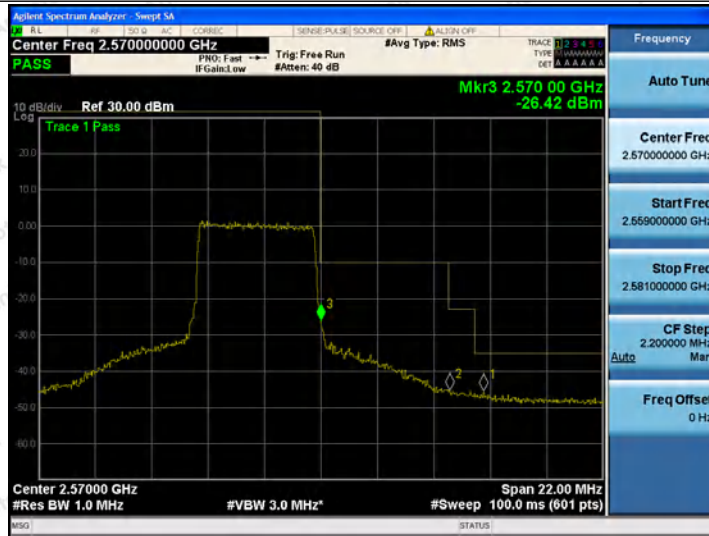
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

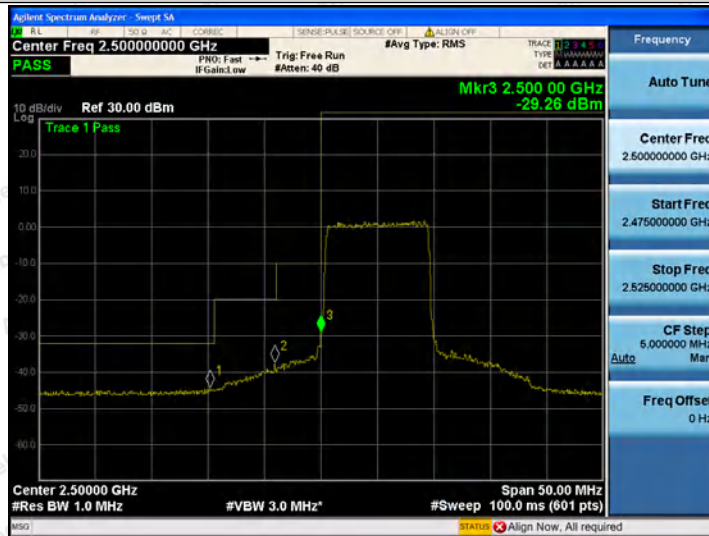
Hotline 400-003-0500
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Band7-5MHz-16QAM-21425-25RB#0



Band7-10MHz-QPSK-20800-50RB#0



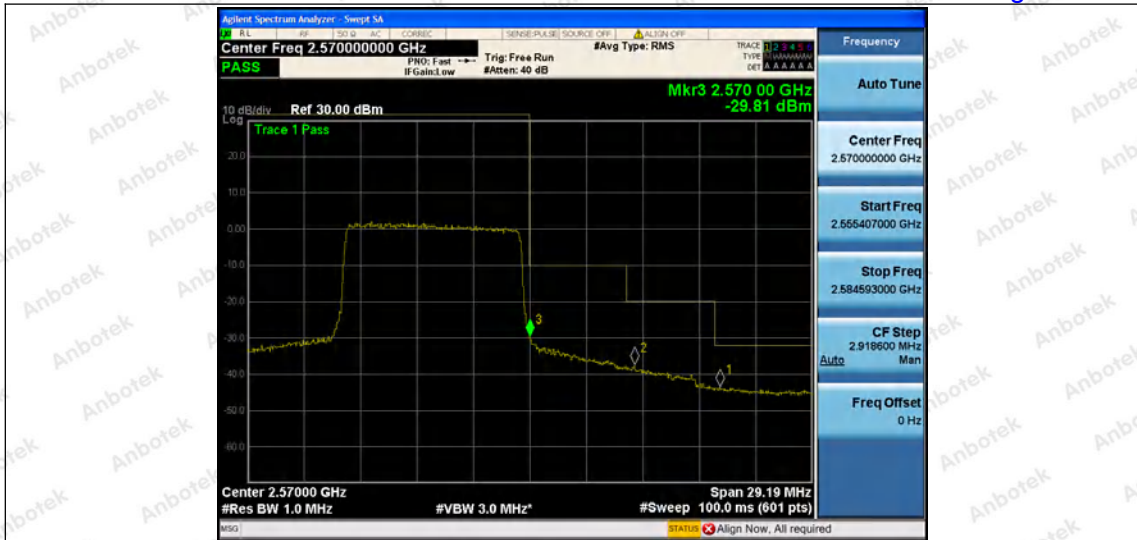
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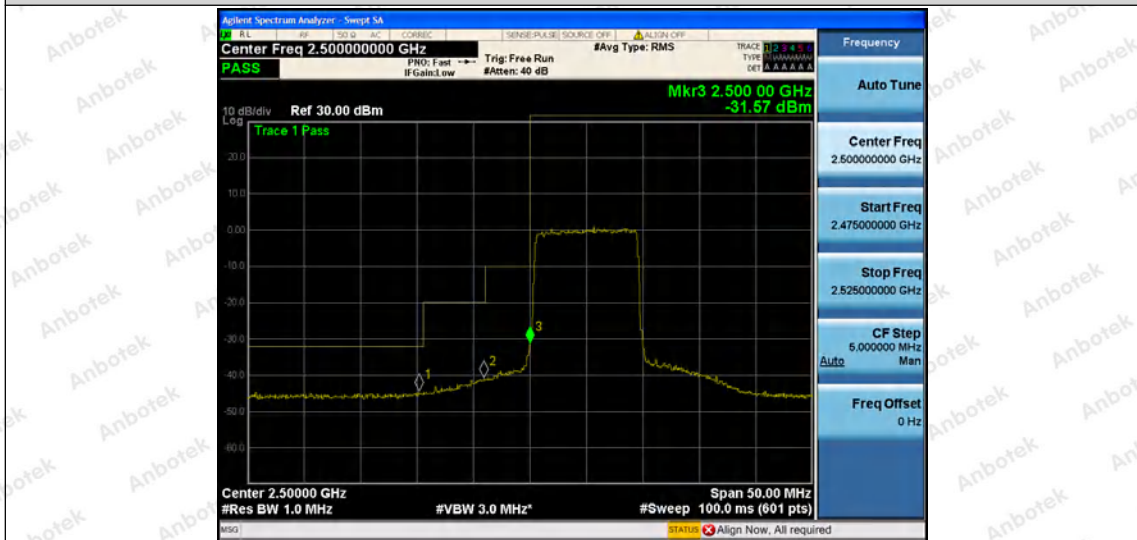
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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Band7-10MHz-16QAM-20800-50RB#0



Band7-10MHz-16QAM-21400-50RB#0



Band7-15MHz-QPSK-20825-75RB#0

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Band7-15MHz-QPSK-21375-75RB#0



Band7-15MHz-16QAM-20825-75RB#0



Band7-15MHz-16QAM-21375-75RB#0

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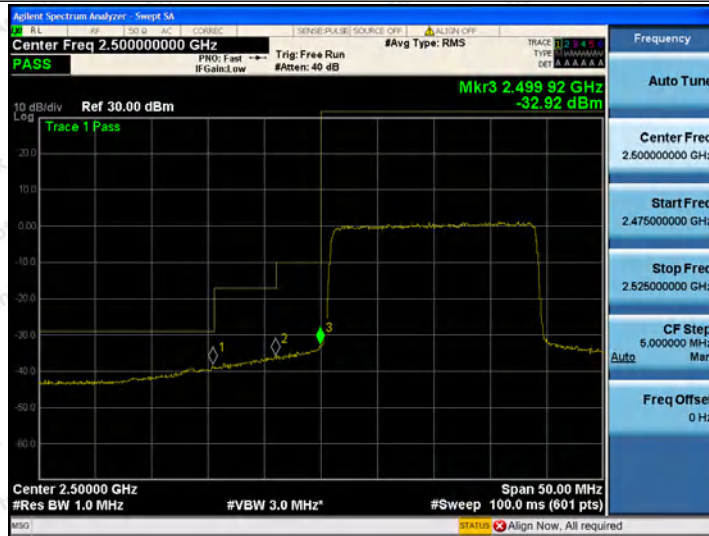
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21350-100RB#0



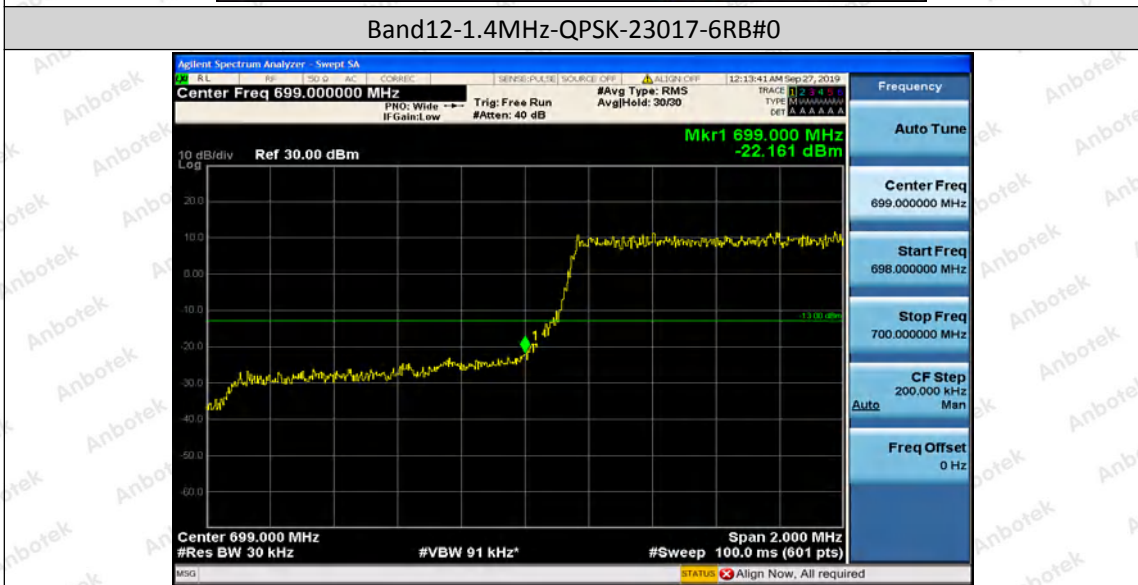
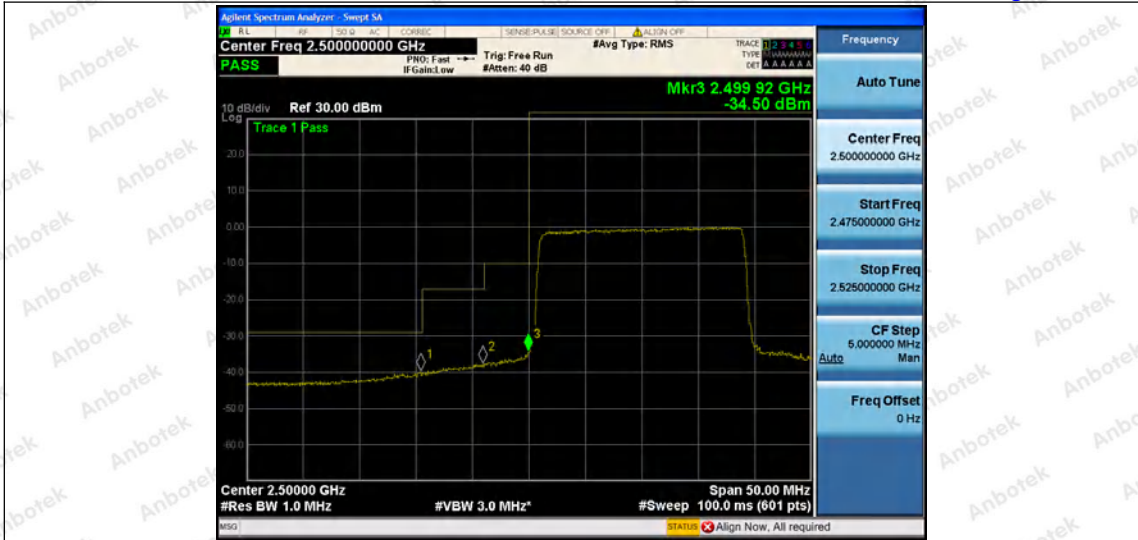
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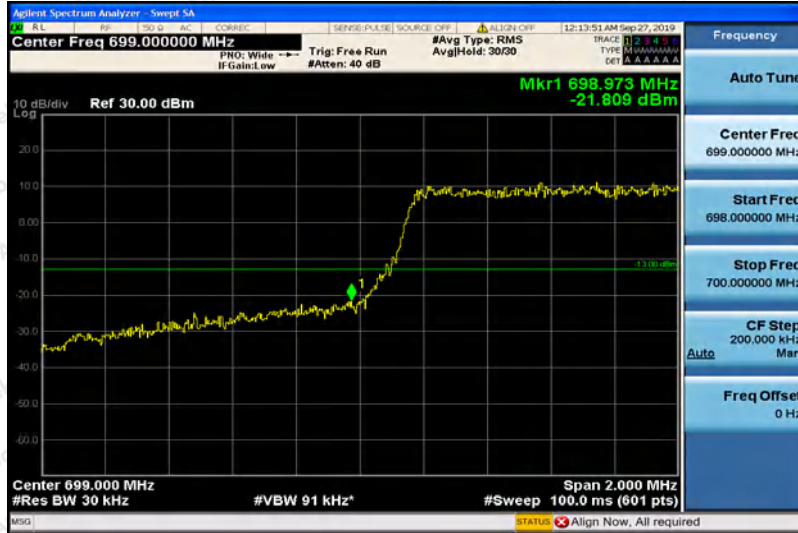
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Band12-1.4MHz-16QAM-23017-6RB#0



Band12-1.4MHz-16QAM-23173-6RB#0

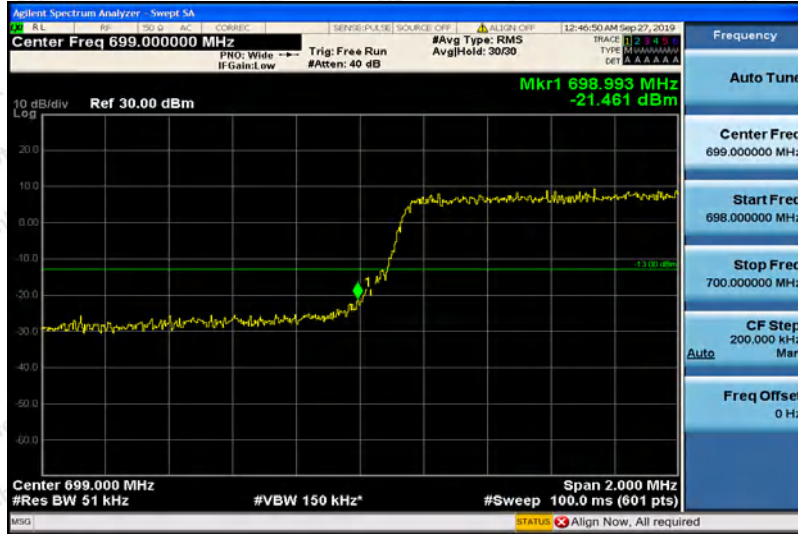


Band12-3MHz-QPSK-23025-15RB#0

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 Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

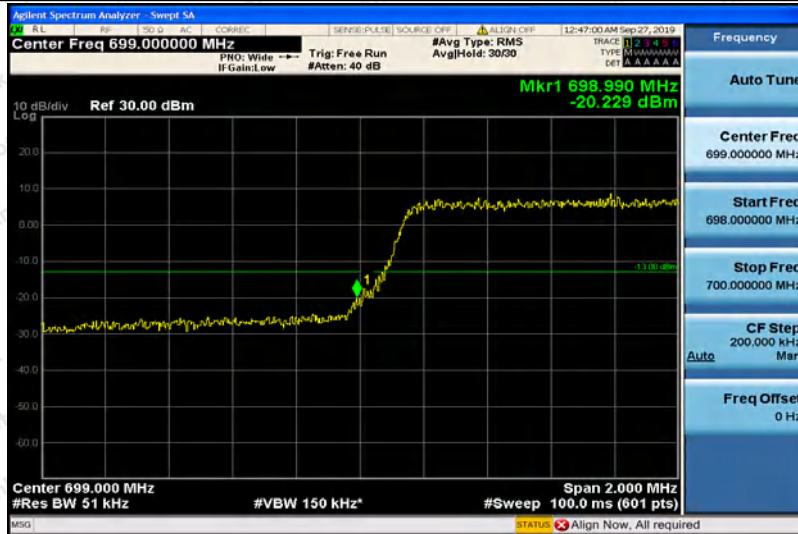
Hotline 400-003-0500
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Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-15RB#0



Band12-3MHz-16QAM-23165-15RB#0

Shenzhen Anbotek Compliance Laboratory Limited

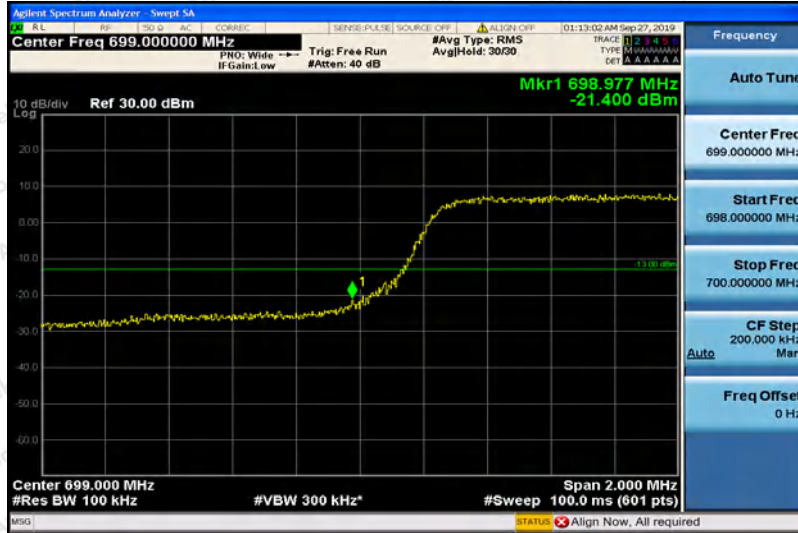
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline 400-003-0500
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Band12-5MHz-QPSK-23035-25RB#0



Band12-5MHz-QPSK-23155-25RB#0

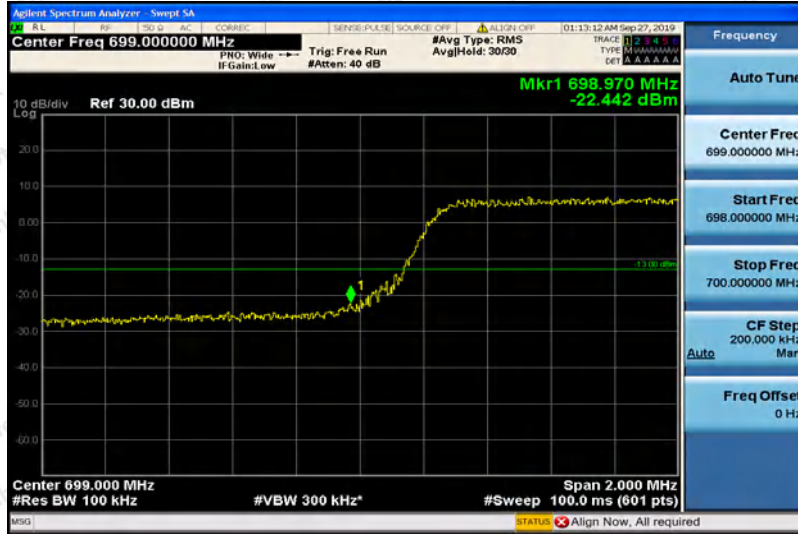


Band12-5MHz-16QAM-23035-25RB#0

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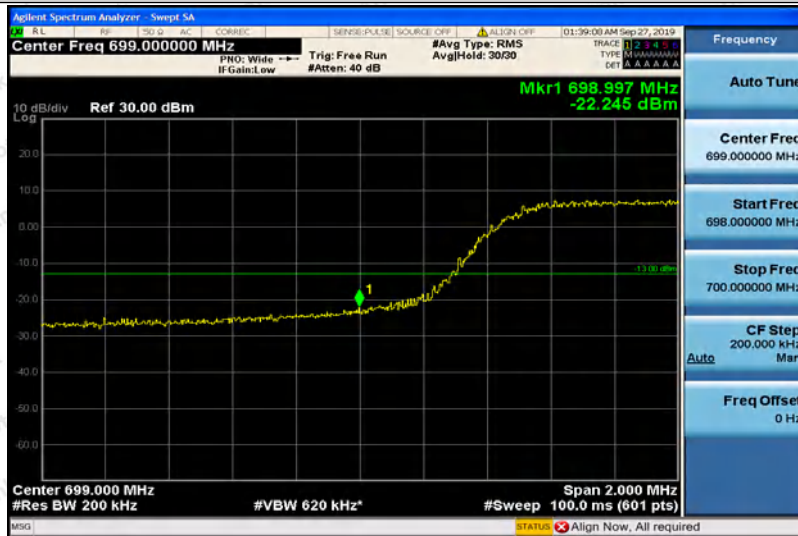
Hotline 400-003-0500
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Band12-5MHz-16QAM-23155-25RB#0



Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23130-50RB#0

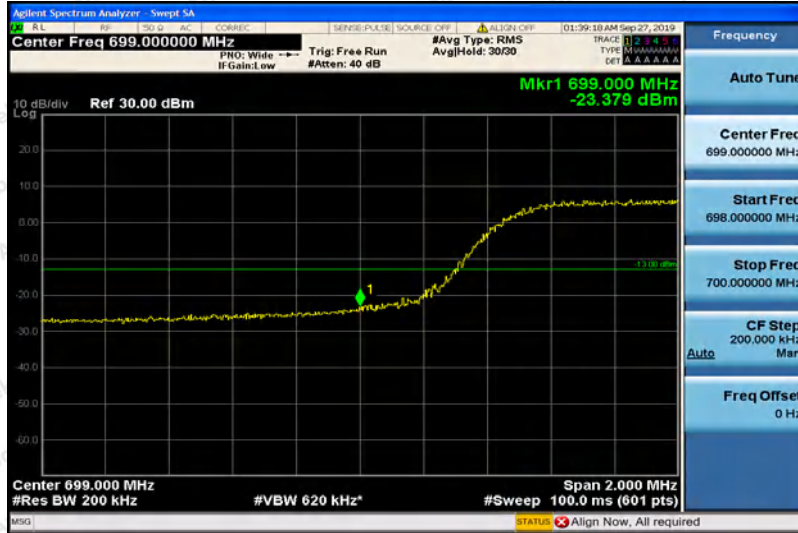
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Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23130-50RB#0

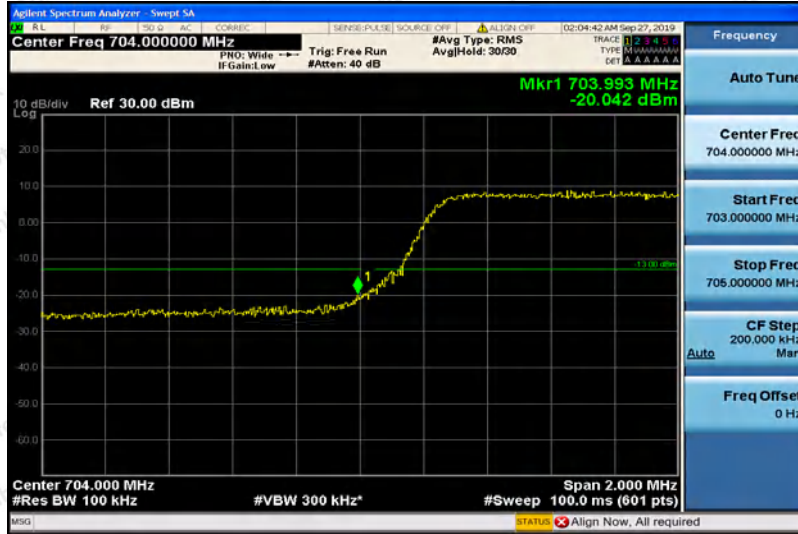


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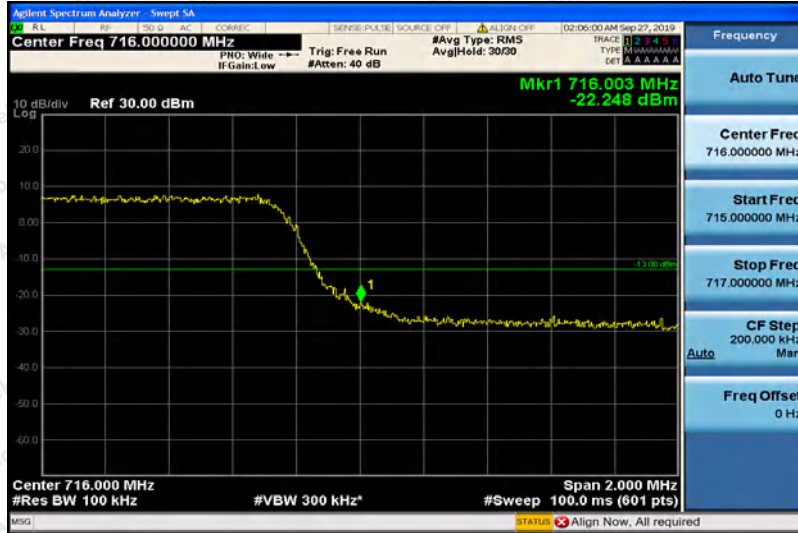
Shenzhen Anbotek Compliance Laboratory Limited

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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

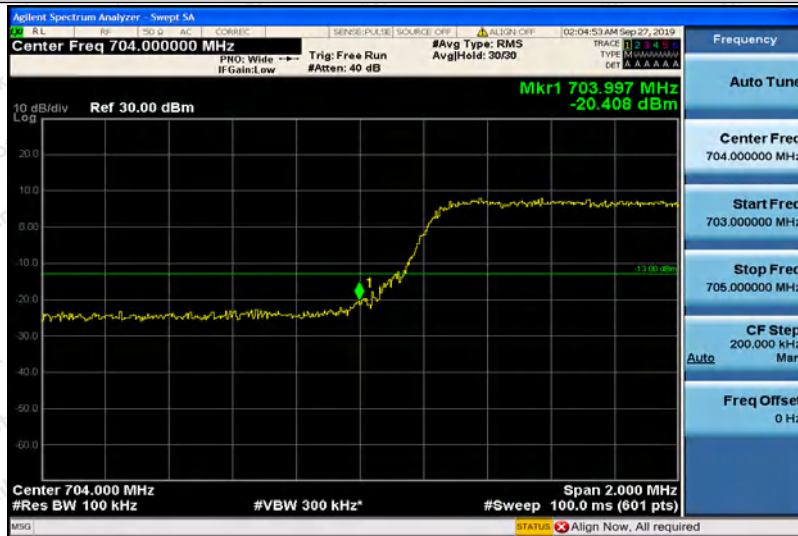
Hotline 400-003-0500
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Band17-5MHz-QPSK-23825-25RB#0



Band17-5MHz-16QAM-23755-25RB#0



Band17-5MHz-16QAM-23825-25RB#0

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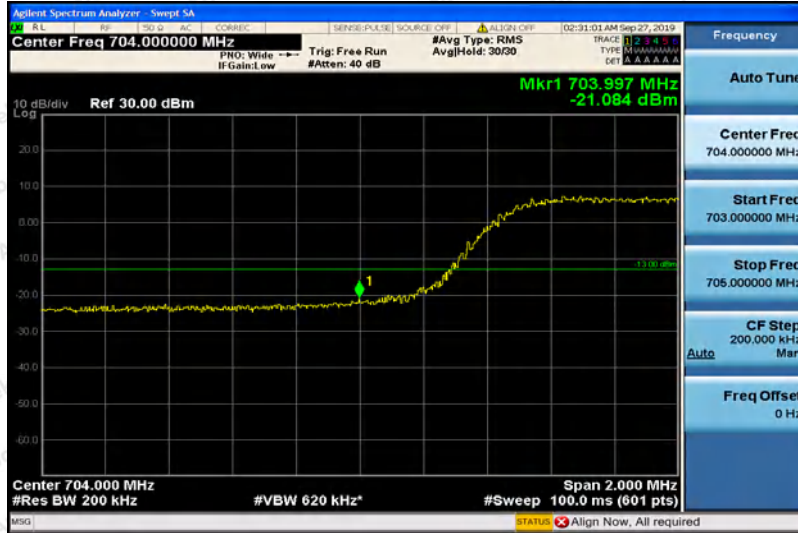
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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Band17-10MHz-QPSK-23780-50RB#0



Band17-10MHz-QPSK-23800-50RB#0



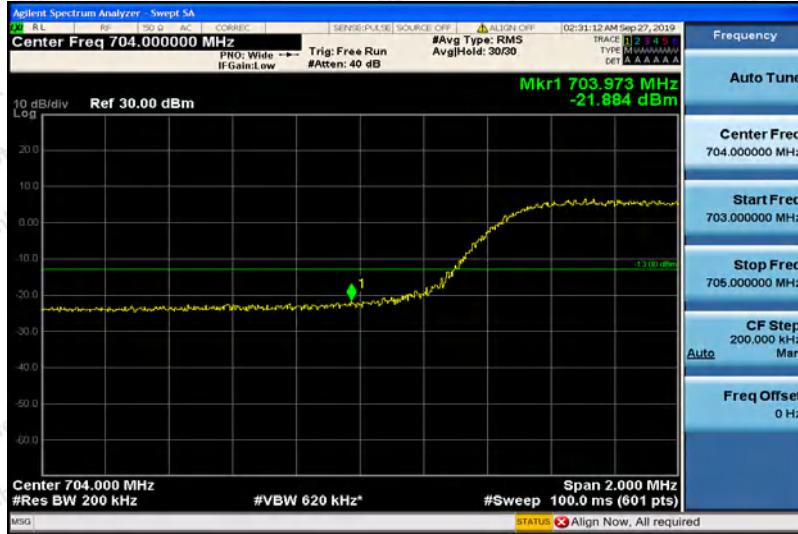
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Shenzhen Anbotek Compliance Laboratory Limited

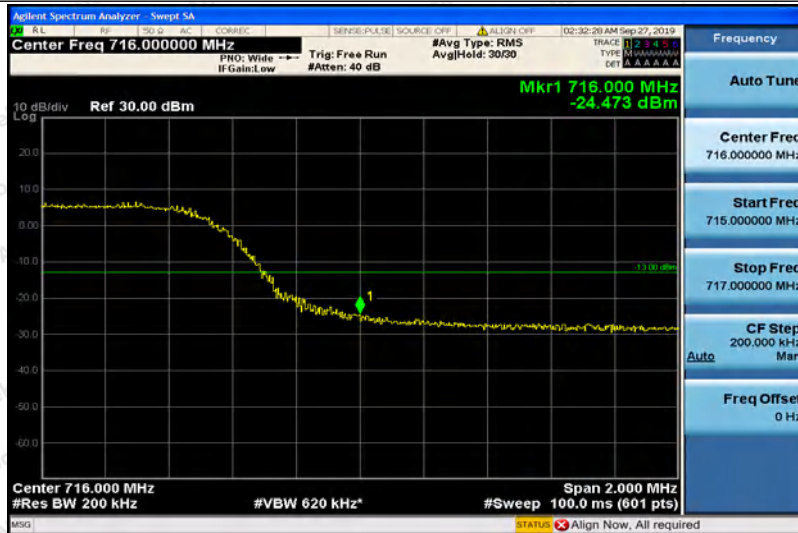
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

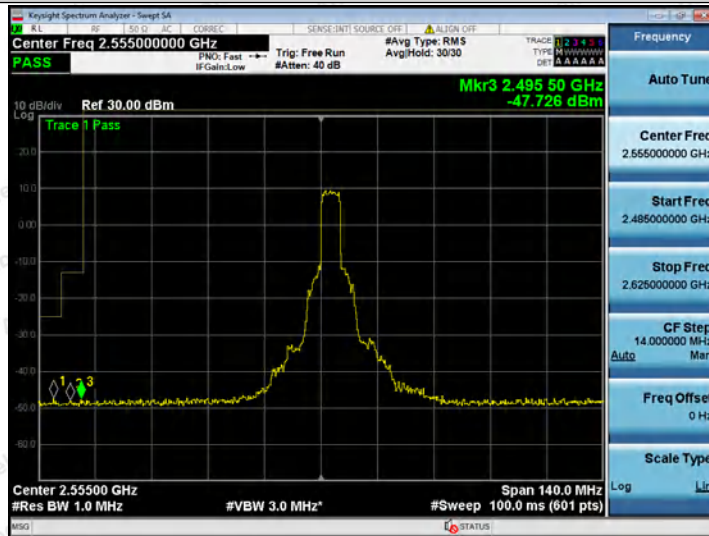
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Band17-10MHz-16QAM-23800-50RB#0



Band41-5MHz-QPSK-40265-25RB#0



Band41-5MHz-QPSK-41215-25RB#0

Shenzhen Anbotek Compliance Laboratory Limited

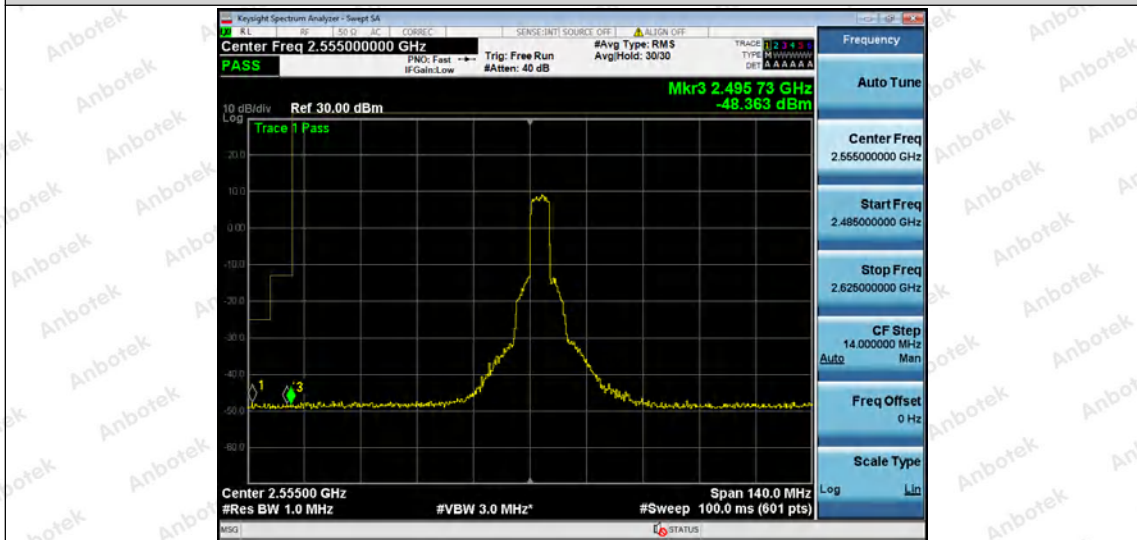
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Band41-5MHz-16QAM-40265-25RB#0



Band41-5MHz-16QAM-41215-25RB#0

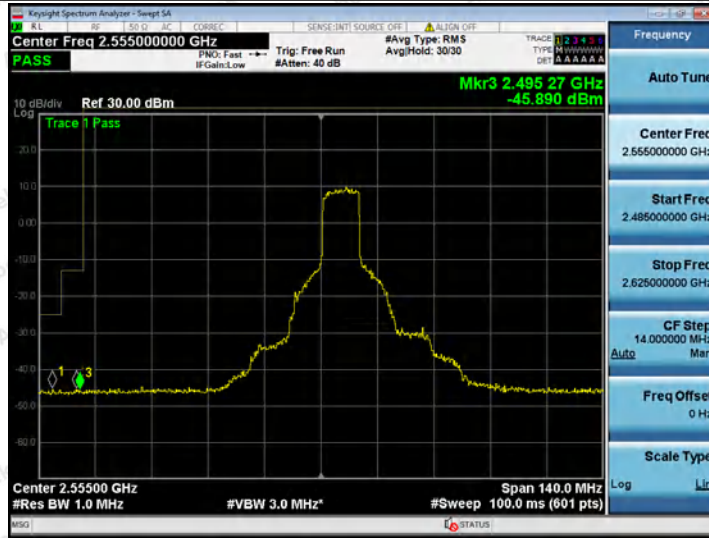


Band41-10MHz-QPSK-40290-50RB#0

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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

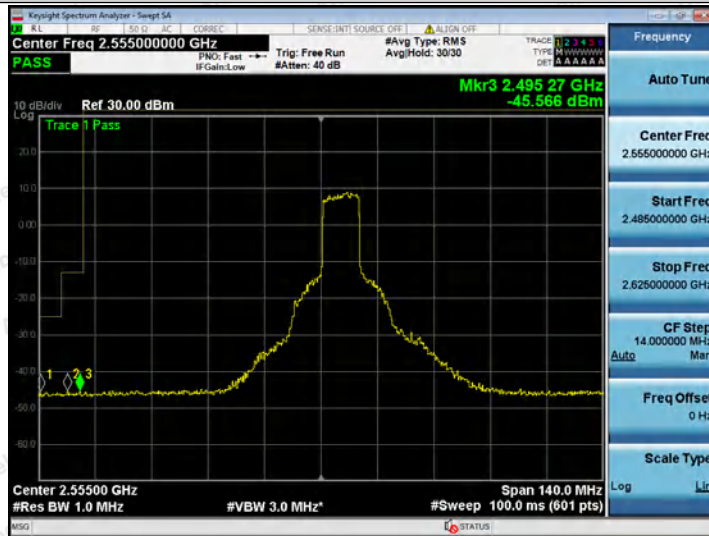
Hotline
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Band41-10MHz-QPSK-41190-50RB#0



Band41-10MHz-16QAM-40290-50RB#0



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Shenzhen Anbotek Compliance Laboratory Limited

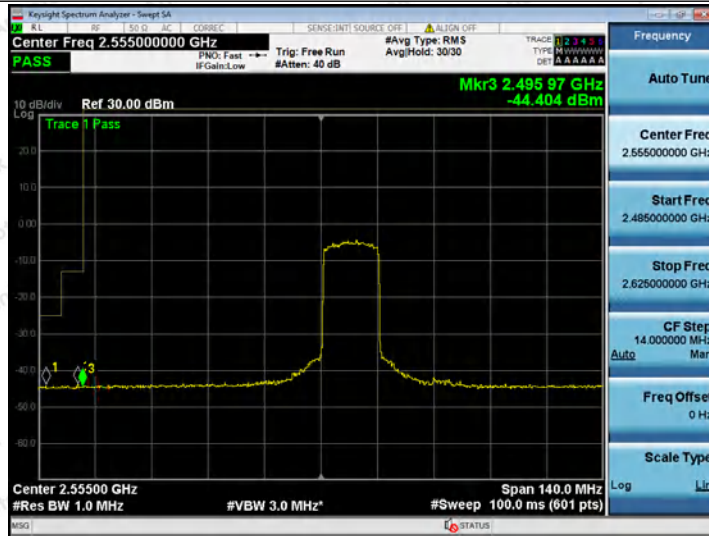
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

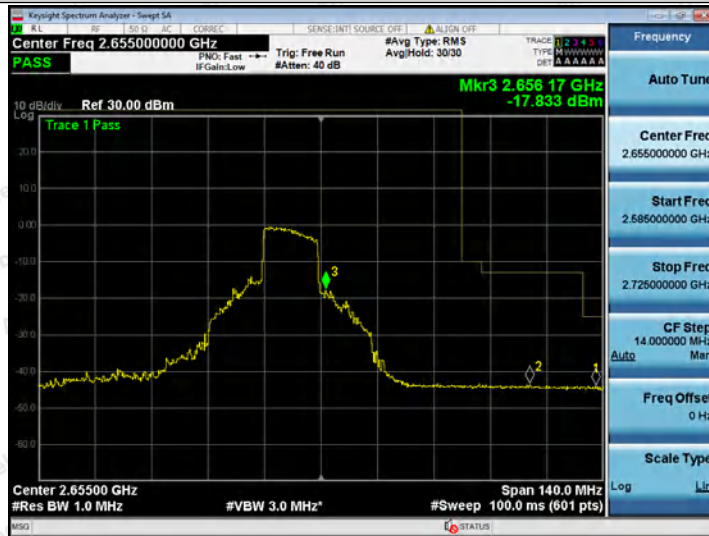
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Band41-15MHz-QPSK-41165-75RB#0

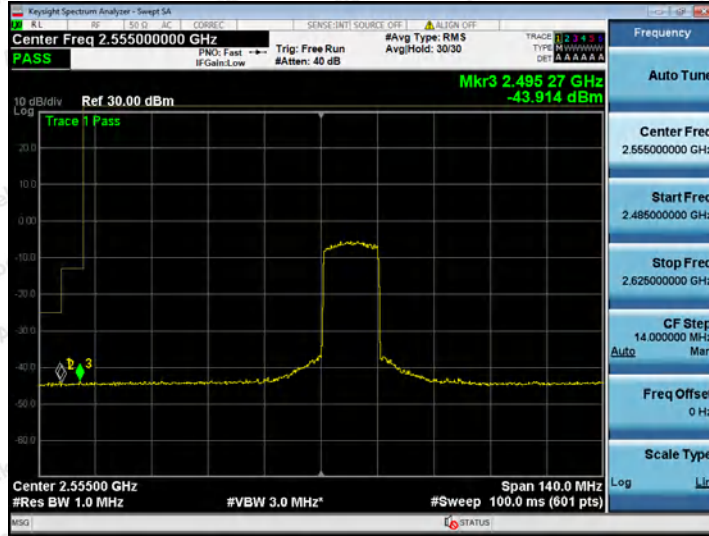


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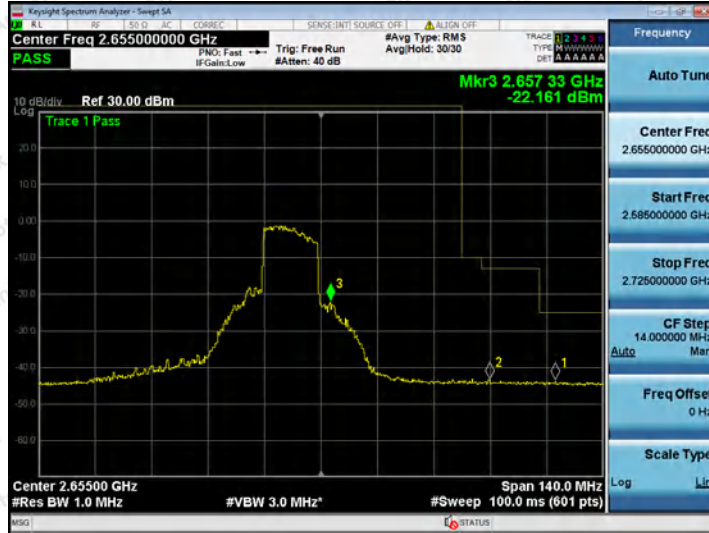
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 Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

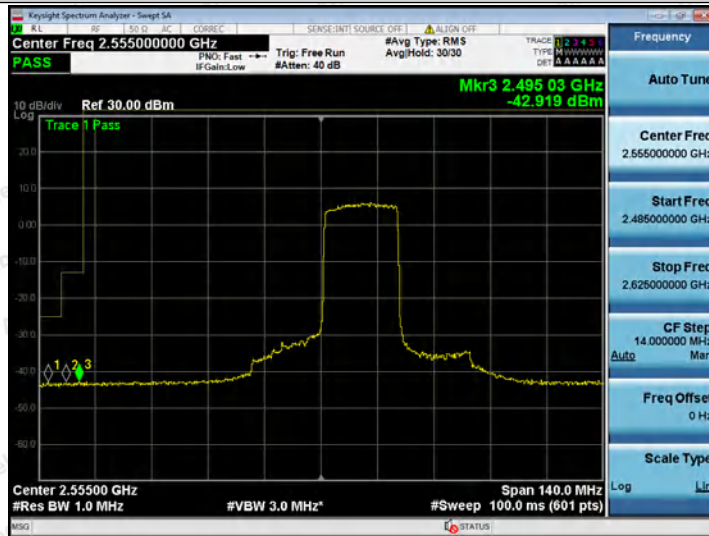
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Band41-15MHz-16QAM-41165-75RB#0



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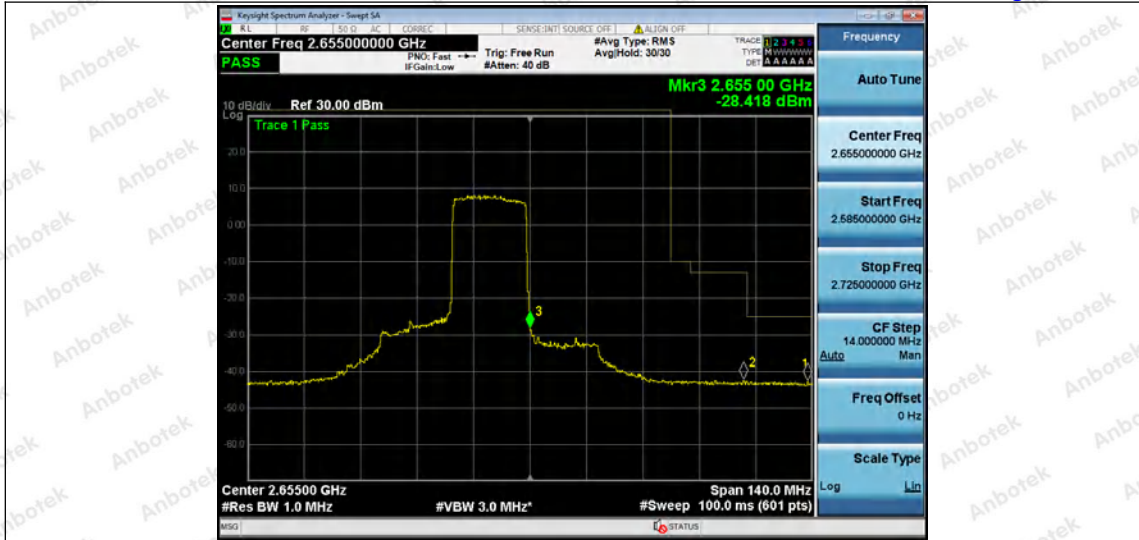
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Shenzhen Anbotek Compliance Laboratory Limited

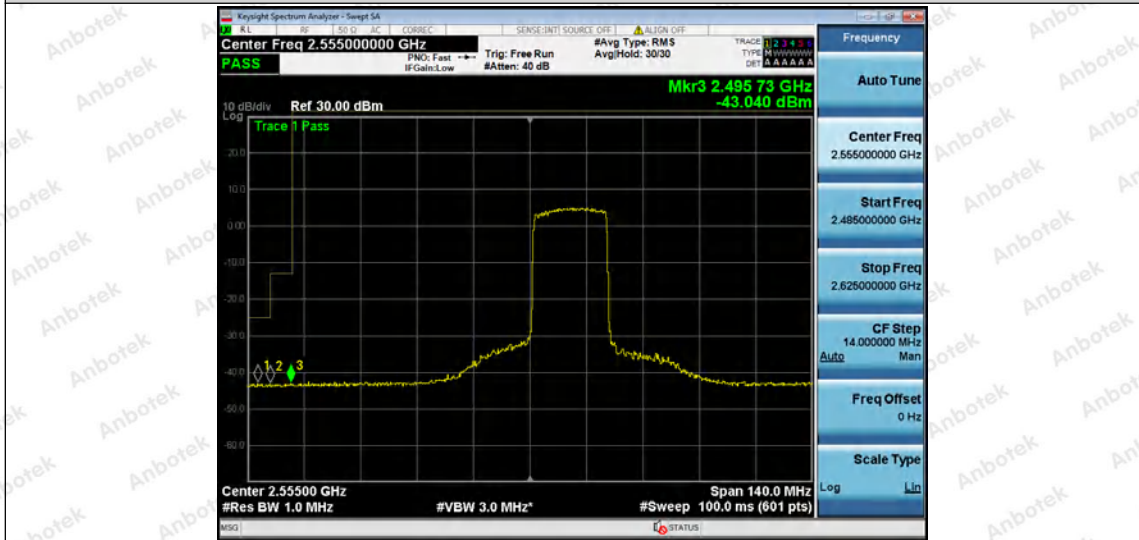
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

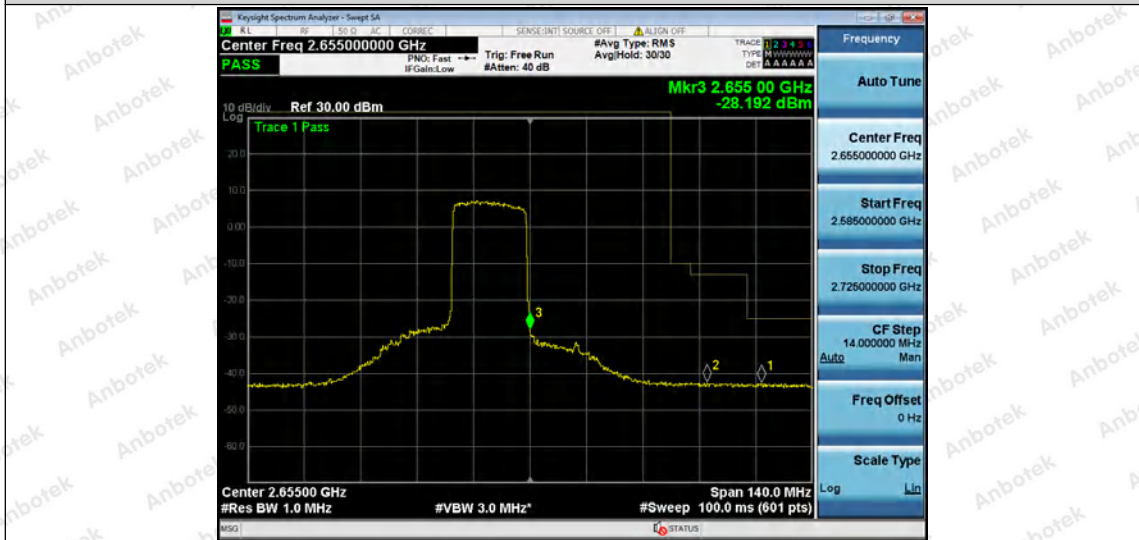
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Band41-20MHz-16QAM-40340-100RB#0



Band41-20MHz-16QAM-41140-100RB#0



10. Frequency Stability

10.1. Test Standard and Limit

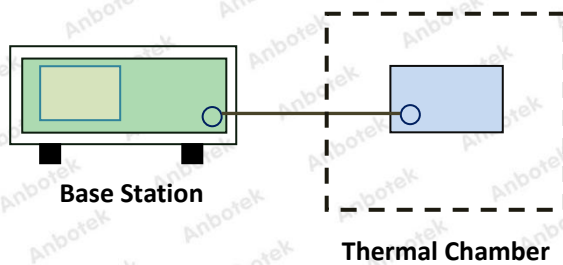
According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized frequency block.

10.2. Test Setup



10.3. Test Procedure

A communication link was established between EUT and base station. The frequency error was monitored and measured by base station under variation of ambient temperature and variation of primary supply voltage.

Limit: The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

10.4. Test Data

GPRS 850 Test Frequency: 836.6MHz				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	15	0.0179	2.5
-20		5	0.0060	2.5
-10		16	0.0191	2.5
0		8	0.0096	2.5
10		9	0.0108	2.5
20		4	0.0048	2.5
30		10	0.0120	2.5
40		5	0.0060	2.5
50		16	0.0191	2.5
20		3.4	5	0.0060
20	4.2	7	0.0084	2.5

EGPRS 850 Test Frequency: 836.6MHz				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	11	0.0131	2.5
-20		12	0.0143	2.5
-10		12	0.0143	2.5
0		16	0.0191	2.5
10		13	0.0155	2.5
20		12	0.0143	2.5
30		15	0.0179	2.5
40		14	0.0167	2.5
50		13	0.0155	2.5
20		3.4	11	0.0131
20	4.2	11	0.0131	2.5

GPRS 1900 Test Frequency: 1880MHz				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-5	-0.0027	2.5
-20		-9	-0.0048	2.5
-10		-12	-0.0064	2.5
0		-2	-0.0011	2.5
10		-11	-0.0059	2.5
20		-8	-0.0043	2.5
30		-1	-0.0005	2.5
40		-1	-0.0005	2.5
50		-3	-0.0016	2.5
20		3.4	-1	-0.0005
20	4.2	-3	-0.0016	2.5

EGPRS 1900 Test Frequency: 1880MHz				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-1	-0.0005	2.5
-20		-6	-0.0032	2.5
-10		-1	-0.0005	2.5
0		-3	-0.0016	2.5
10		0	0.0000	2.5
20		-2	-0.0011	2.5
30		2	0.0011	2.5
40		0	0.0000	2.5
50		2	0.0011	2.5
20		3.4	-1	-0.0005
20	4.2	-2	-0.0011	2.5

WCDMA Band V Test Frequency: 836.4MHz				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	5	0.0060	2.5
-20		-1	-0.0012	2.5
-10		0	0.0000	2.5
0		5	0.0060	2.5
10		2	0.0024	2.5
20		2	0.0024	2.5
30		-1	-0.0012	2.5
40		-2	-0.0024	2.5
50		1	0.0012	2.5
20		3.4	-1	-0.0012
20	4.2	-4	-0.0048	2.5

WCDMA Band II Test Frequency: 1880MHz				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-1	-0.0005	2.5
-20		5	0.0027	2.5
-10		3	0.0016	2.5
0		-2	-0.0011	2.5
10		-4	-0.0021	2.5
20		-2	-0.0011	2.5
30		5	0.0027	2.5
40		3	0.0016	2.5
50		5	0.0027	2.5
20		3.4	-6	-0.0032
20	4.2	-2	-0.0011	2.5

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LTE Band II Test Frequency: 1880MHz(QPSK)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-4	-0.0021	2.5
-20		-6	-0.0032	2.5
-10		-6	-0.0032	2.5
0		-4	-0.0021	2.5
10		-6	-0.0032	2.5
20		-3	-0.0016	2.5
30		5	0.0027	2.5
40		5	0.0027	2.5
50		-2	-0.0011	2.5
20		3.4	-7	-0.0037
20	4.2	-6	-0.0032	2.5

LTE Band II Test Frequency: 1880MHz(16QAM)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-6	-0.0032	2.5
-20		-9	-0.0048	2.5
-10		-6	-0.0032	2.5
0		-9	-0.0048	2.5
10		-5	-0.0027	2.5
20		-8	-0.0043	2.5
30		5	0.0027	2.5
40		-7	-0.0037	2.5
50		-6	-0.0032	2.5
20		3.4	-4	-0.0021
20	4.2	-5	-0.0027	2.5

LTE Band IV Test Frequency:1732.5MHz(QPSK)				
Temperature(℃)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	7	0.0040	2.5
-20		6	0.0035	2.5
-10		-1	-0.0006	2.5
0		-3	-0.0017	2.5
10		-4	-0.0023	2.5
20		-3	-0.0017	2.5
30		-6	-0.0035	2.5
40		-6	-0.0035	2.5
50		-4	-0.0023	2.5
20	3.4	-5	-0.0029	2.5
20	4.2	-2	-0.0012	2.5

LTE Band IV Test Frequency:1732.5MHz(16QAM)				
Temperature(℃)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	6	0.0035	2.5
-20		5	0.0029	2.5
-10		-4	-0.0023	2.5
0		-5	-0.0029	2.5
10		-5	-0.0029	2.5
20		-5	-0.0029	2.5
30		-6	-0.0035	2.5
40		-8	-0.0046	2.5
50		-5	-0.0029	2.5
20	3.4	-5	-0.0029	2.5
20	4.2	-7	-0.0040	2.5

LTE Band V Test Frequency:836.5MHz(QPSK)				
Temperature(℃)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-7	-0.0084	2.5
-20		5	0.0060	2.5
-10		9	0.0108	2.5
0		4	0.0048	2.5
10		9	0.0108	2.5
20		-6	-0.0072	2.5
30		2	0.0024	2.5
40		-2	-0.0024	2.5
50		-7	-0.0084	2.5
20	3.4	-1	-0.0012	2.5
20	4.2	-4	-0.0048	2.5

LTE Band V Test Frequency:836.5MHz(16QAM)				
Temperature(℃)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	8	0.0096	2.5
-20		5	0.0060	2.5
-10		-7	-0.0084	2.5
0		-5	-0.0060	2.5
10		-1	-0.0012	2.5
20		-6	-0.0072	2.5
30		-6	-0.0072	2.5
40		-7	-0.0084	2.5
50		-2	-0.0024	2.5
20	3.4	-3	-0.0036	2.5
20	4.2	6	0.0072	2.5

LTE Band VII Test Frequency:2535MHz(QPSK)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-6	-0.0024	2.5
-20		5	0.0020	2.5
-10		8	0.0032	2.5
0		6	0.0024	2.5
10		6	0.0024	2.5
20		-3	-0.0012	2.5
30		3	0.0012	2.5
40		-6	-0.0024	2.5
50		-7	-0.0028	2.5
20		3.4	-4	-0.0016
20	4.2	-3	-0.0012	2.5

LTE Band VII Test Frequency:2535MHz(16QAM)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	5	0.0020	2.5
-20		6	0.0024	2.5
-10		-3	-0.0012	2.5
0		-4	-0.0016	2.5
10		-4	-0.0016	2.5
20		-5	-0.0020	2.5
30		-7	-0.0028	2.5
40		-6	-0.0024	2.5
50		-5	-0.0020	2.5
20		3.4	-5	-0.0020
20	4.2	-5	-0.0020	2.5

LTE Band12 Test Frequency:707.5MHz(QPSK)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-8	-0.0113	2.5
-20		6	0.0085	2.5
-10		7	0.0099	2.5
0		4	0.0057	2.5
10		9	0.0127	2.5
20		-4	-0.0057	2.5
30		7	0.0099	2.5
40		-2	-0.0028	2.5
50		-6	-0.0085	2.5
20		3.4	-4	-0.0057
20	4.2	-2	-0.0028	2.5

LTE Band12 Test Frequency:707.5MHz(16QAM)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	8	0.0113	2.5
-20		6	0.0085	2.5
-10		-3	-0.0042	2.5
0		-2	-0.0028	2.5
10		-1	-0.0014	2.5
20		-6	-0.0085	2.5
30		-5	-0.0071	2.5
40		-4	-0.0057	2.5
50		-7	-0.0099	2.5
20		3.4	-5	-0.0071
20	4.2	-4	-0.0057	2.5

LTE Band 17 Test Frequency:710MHz(QPSK)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-8	-0.0113	2.5
-20		7	0.0099	2.5
-10		5	0.0070	2.5
0		8	0.0113	2.5
10		9	0.0127	2.5
20		-1	-0.0014	2.5
30		7	0.0099	2.5
40		-5	-0.0070	2.5
50		-6	-0.0085	2.5
20		3.4	-3	-0.0042
20	4.2	-2	-0.0028	2.5

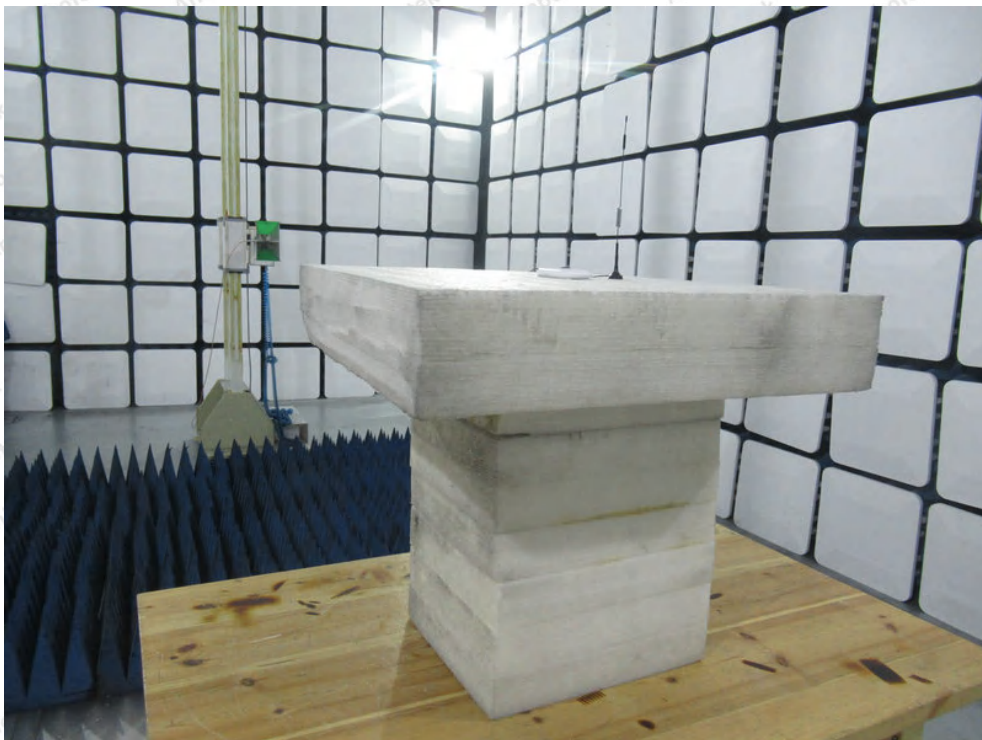
LTE Band 17 Test Frequency:710MHz(16QAM)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	7	0.0024	2.5
-20		6	0.0020	2.5
-10		-4	-0.0012	2.5
0		-3	-0.0012	2.5
10		-7	-0.0016	2.5
20		-6	-0.0020	2.5
30		-4	-0.0028	2.5
40		-8	-0.0024	2.5
50		-6	-0.0016	2.5
20		3.4	-4	-0.0020
20	4.2	-5	-0.0024	2.5

LTE Band 41 Test Frequency:2600MHz(QPSK)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	-6	-0.0023	2.5
-20		6	0.0023	2.5
-10		7	0.0027	2.5
0		7	0.0027	2.5
10		6	0.0023	2.5
20		-3	-0.0012	2.5
30		3	0.0012	2.5
40		-6	-0.0023	2.5
50		-7	-0.0027	2.5
20		3.4	-4	-0.0015
20	4.2	-3	-0.0012	2.5

LTE Band 41 Test Frequency:2600MHz(16QAM)				
Temperature(°C)	Power Supply (V ^{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	5	0.0019	2.5
-20		6	0.0023	2.5
-10		-3	-0.0012	2.5
0		-3	-0.0012	2.5
10		-5	-0.0019	2.5
20		-5	-0.0019	2.5
30		-6	-0.0023	2.5
40		-6	-0.0023	2.5
50		-5	-0.0019	2.5
20		3.4	-6	-0.0023
20	4.2	-6	-0.0023	2.5

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of Radiation Emission Test



APPENDIX II -- PHOTOGRAPH

Reference to the test report SZAWW190909004-01

----- End of Report -----

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