

4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

- a. The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -13 dBm.

4.8.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15 dBi.

Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

4.8.3 Deviation from Test Standard

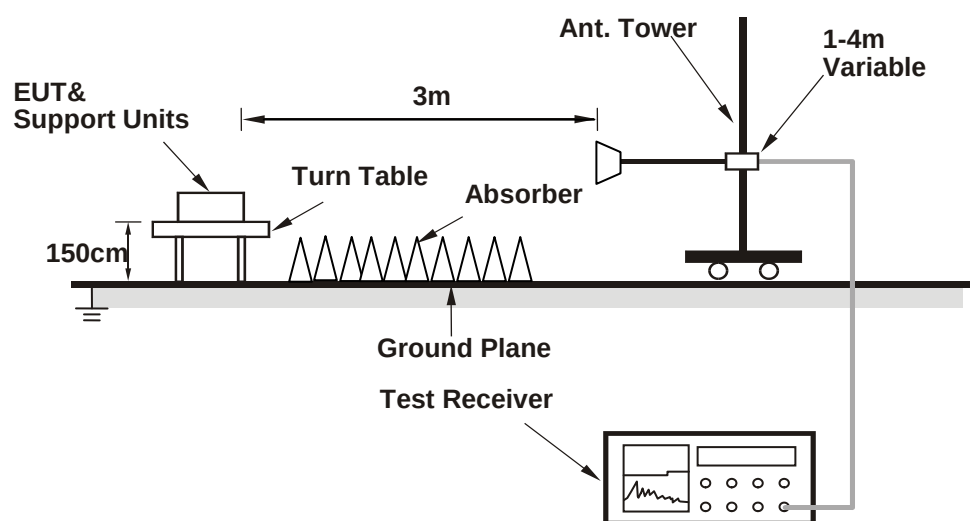
No deviation.

4.8.4 Test Setup

<Radiated Emission below or equal 1 GHz>

3m

<Radiated Emission above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.8.5 Test Results

WCDMA:

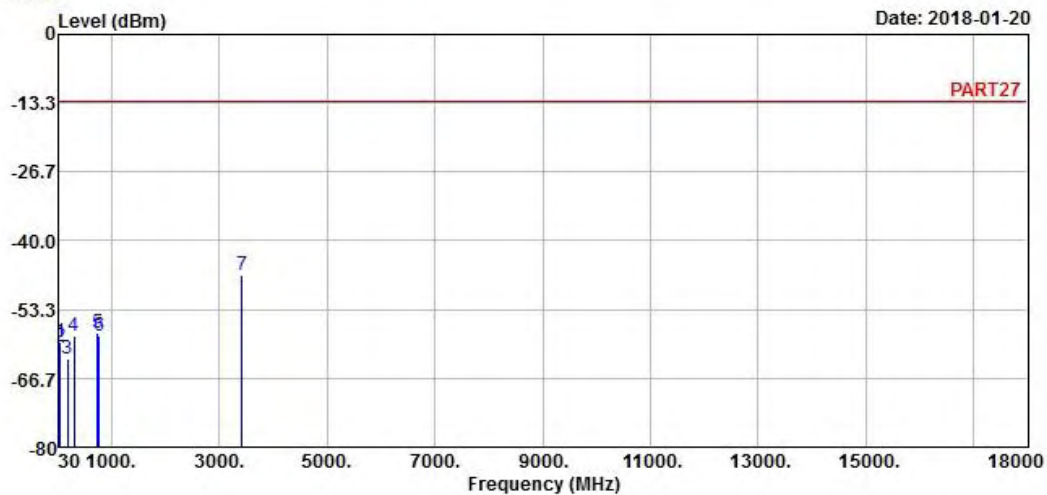
Low Channel



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Data: 5



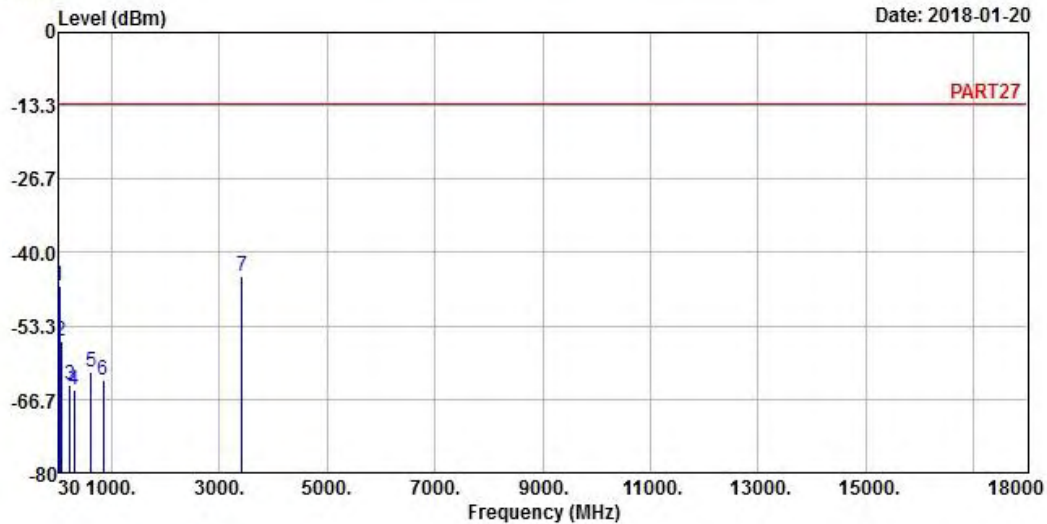


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Data: 6

Date: 2018-01-20



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : WCDMA Band 4 Link_L-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	30.97	-46.10	-45.99	-13.00	-33.10	-0.11	Peak
2	61.04	-55.99	-48.25	-13.00	-42.99	-7.74	Peak
3	225.94	-64.04	-57.07	-13.00	-51.04	-6.97	Peak
4	308.39	-65.05	-58.17	-13.00	-52.05	-6.88	Peak
5	622.67	-61.63	-60.82	-13.00	-48.63	-0.81	Peak
6	850.62	-63.31	-63.61	-13.00	-50.31	0.30	Peak
7 pp	3424.80	-44.25	-35.16	-13.00	-31.25	-9.09	Peak

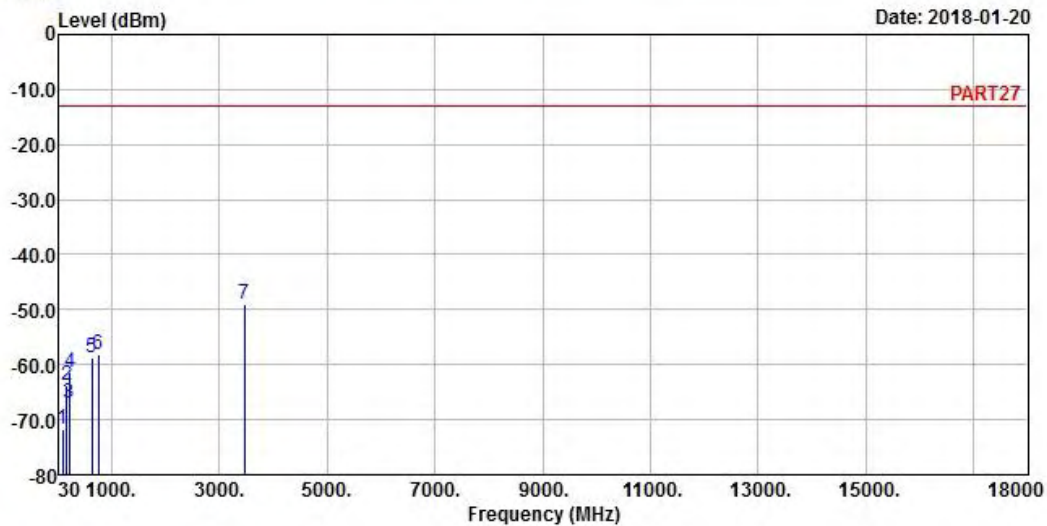
Middle Channel



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Data: 7



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : WCDMA Band 4 Link_M-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	91.56	-71.63	-60.58	-13.00	-58.63	-11.05	Peak
2	170.40	-63.88	-58.18	-13.00	-50.88	-5.70	Peak
3	217.38	-66.92	-59.60	-13.00	-53.92	-7.32	Peak
4	225.75	-61.47	-54.50	-13.00	-48.47	-6.97	Peak
5	642.30	-58.76	-57.90	-13.00	-45.76	-0.86	Peak
6	752.90	-58.02	-58.89	-13.00	-45.02	0.87	Peak
7 pp	3465.20	-48.93	-40.02	-13.00	-35.93	-8.91	Peak

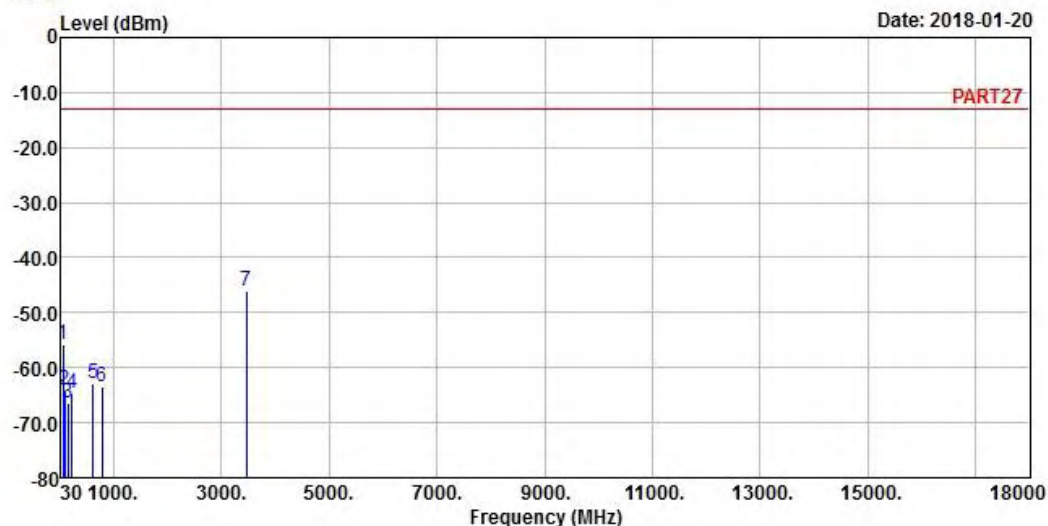


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A D T

Data: 8

Date: 2018-01-20



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : WCDMA Band 4 Link_M-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	61.05	-55.88	-48.14	-13.00	-42.88	-7.74	Peak
2	92.10	-64.05	-53.05	-13.00	-51.05	-11.00	Peak
3	161.76	-66.34	-61.36	-13.00	-53.34	-4.98	Peak
4	226.83	-64.55	-57.62	-13.00	-51.55	-6.93	Peak
5	622.70	-62.75	-61.94	-13.00	-49.75	-0.81	Peak
6	794.20	-63.48	-64.23	-13.00	-50.48	0.75	Peak
7 pp	3465.20	-46.08	-37.17	-13.00	-33.08	-8.91	Peak

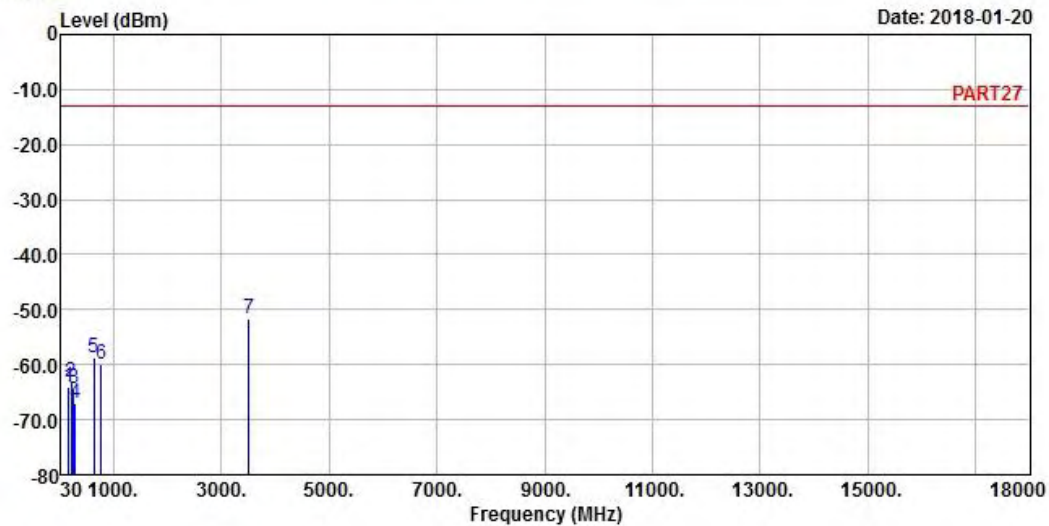
High Channel



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Data: 9



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : WCDMA Band 4 Link_H-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	163.11	-63.93	-58.88	-13.00	-50.93	-5.05	Peak
2	222.24	-63.31	-56.19	-13.00	-50.31	-7.12	Peak
3	257.61	-64.36	-58.21	-13.00	-51.36	-6.15	Peak
4	283.80	-66.93	-60.24	-13.00	-53.93	-6.69	Peak
5	642.30	-58.76	-57.90	-13.00	-45.76	-0.86	Peak
6	766.90	-59.85	-60.68	-13.00	-46.85	0.83	Peak
7 pp	3505.20	-51.63	-43.52	-13.00	-38.63	-8.11	Peak

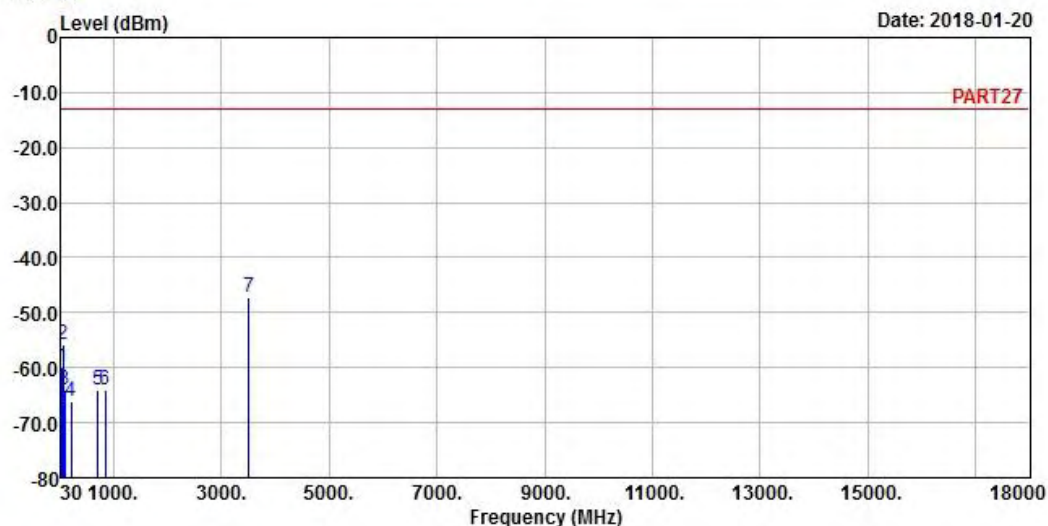


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Data: 10

Date: 2018-01-20



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : WCDMA Band 4 Link_H-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	54.84	-60.07	-53.73	-13.00	-47.07	-6.34	Peak
2	61.05	-55.88	-48.14	-13.00	-42.88	-7.74	Peak
3	92.10	-64.05	-53.05	-13.00	-51.05	-11.00	Peak
4	217.65	-66.12	-58.80	-13.00	-53.12	-7.32	Peak
5	715.10	-63.96	-64.15	-13.00	-50.96	0.19	Peak
6	853.70	-63.98	-64.29	-13.00	-50.98	0.31	Peak
7 pp	3505.20	-47.13	-39.02	-13.00	-34.13	-8.11	Peak

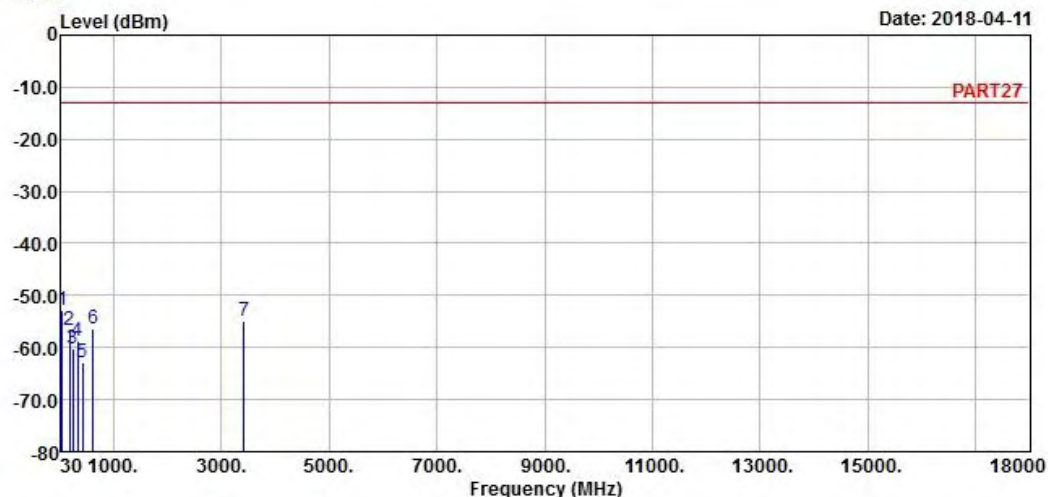
LTE Band 4
Channel Bandwidth: 1.4 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

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Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_1.4M Link_L-CH
Tested by: Jisyong Wang

		Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	43.58	-52.91	-51.44	-13.00	-39.91	-1.47	Peak
2	181.32	-56.80	-49.43	-13.00	-43.80	-7.37	Peak
3	243.40	-60.29	-54.02	-13.00	-47.29	-6.27	Peak
4	332.64	-58.89	-52.38	-13.00	-45.89	-6.51	Peak
5	428.67	-62.76	-57.04	-13.00	-49.76	-5.72	Peak
6	622.67	-56.26	-55.45	-13.00	-43.26	-0.81	Peak
7	3421.40	-54.97	-46.63	-13.00	-41.97	-8.34	Peak

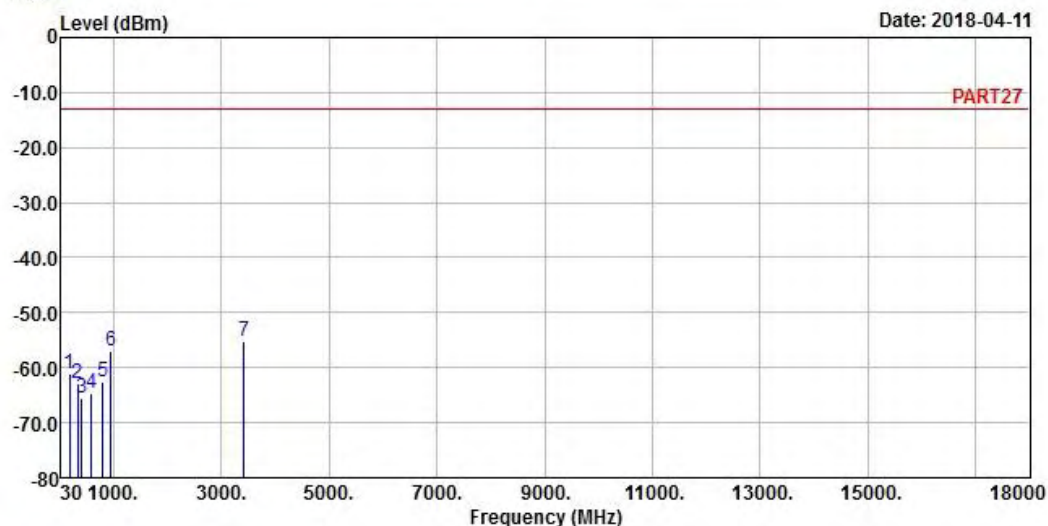


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A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_1.4M Link_L-CH

Tested by: Jisyong Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	184.23	-61.00	-53.73	-13.00	-48.00	-7.27	Peak
2	329.73	-62.91	-56.36	-13.00	-49.91	-6.55	Peak
3	417.03	-65.62	-59.81	-13.00	-52.62	-5.81	Peak
4	587.75	-64.66	-63.38	-13.00	-51.66	-1.28	Peak
5	795.33	-62.72	-63.47	-13.00	-49.72	0.75	Peak
6	960.23	-57.02	-59.20	-13.00	-44.02	2.18	Peak
7 pp	3421.40	-55.28	-46.94	-13.00	-42.28	-8.34	Peak

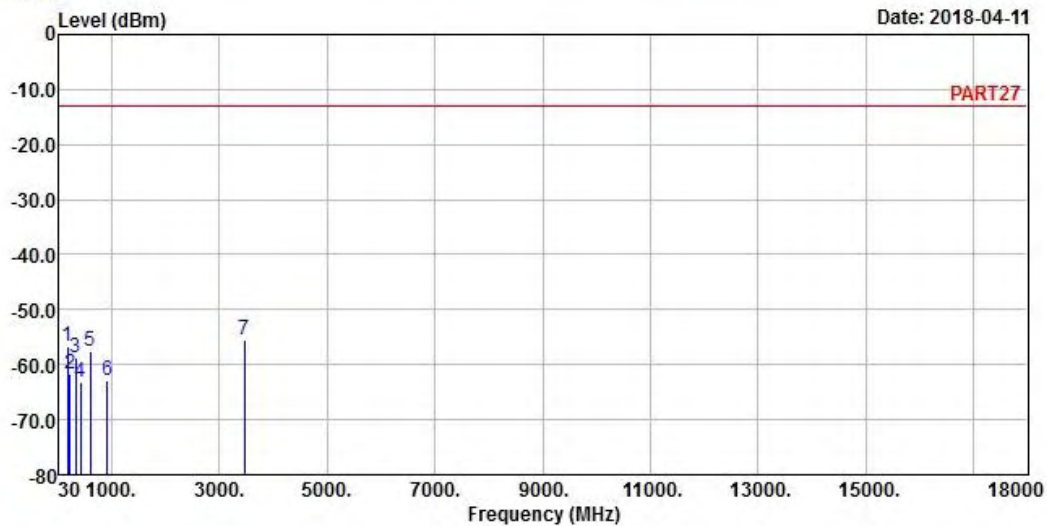
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_1.4M Link_M-CH
Tested by: Jisyoung Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	181.32	-56.80	-49.43	-13.00	-43.80	-7.37	Peak
2	226.91	-61.59	-54.66	-13.00	-48.59	-6.93	Peak
3	332.64	-58.89	-52.38	-13.00	-45.89	-6.51	Peak
4	423.82	-63.08	-57.32	-13.00	-50.08	-5.76	Peak
5	607.15	-57.68	-56.91	-13.00	-44.68	-0.77	Peak
6	915.61	-62.85	-63.81	-13.00	-49.85	0.96	Peak
7 pp	3465.00	-55.45	-47.57	-13.00	-42.45	-7.88	Peak

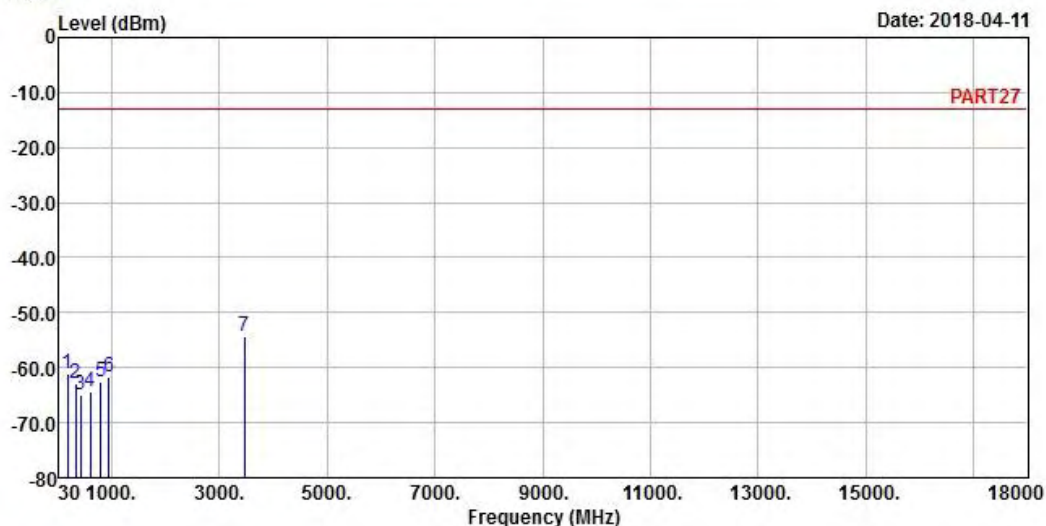


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A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_1.4M Link_M-CH

Tested by: Jisyong Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	184.23	-61.00	-53.73	-13.00	-48.00	-7.27	Peak
2	329.73	-62.91	-56.36	-13.00	-49.91	-6.55	Peak
3	421.88	-64.99	-59.22	-13.00	-51.99	-5.77	Peak
4	601.33	-64.45	-63.69	-13.00	-51.45	-0.76	Peak
5	795.33	-62.72	-63.47	-13.00	-49.72	0.75	Peak
6	945.68	-61.78	-63.48	-13.00	-48.78	1.70	Peak
7 pp	3465.00	-54.26	-46.38	-13.00	-41.26	-7.88	Peak

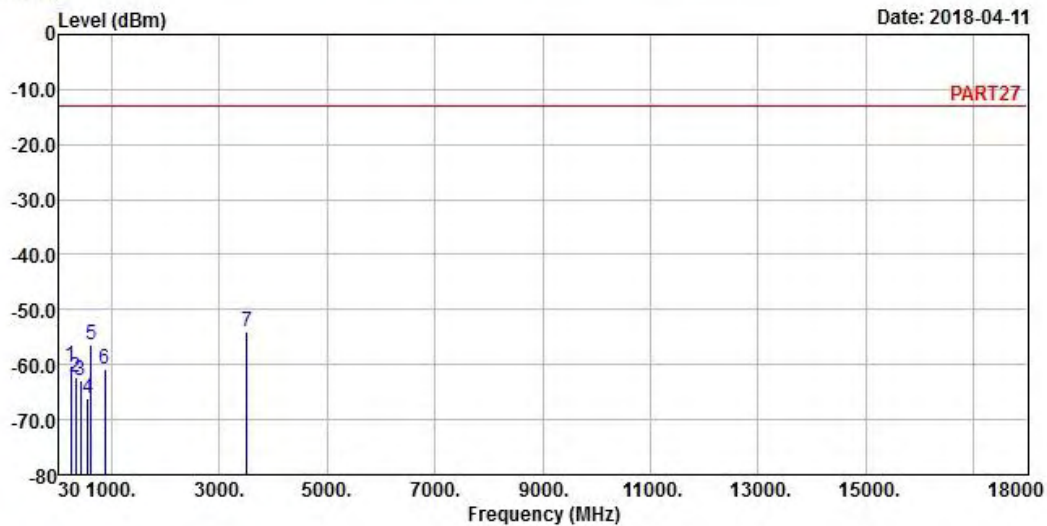
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_1.4M Link_H-CH
Tested by: Jisyoung Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	243.40	-60.29	-54.02	-13.00	-47.29	-6.27	Peak
2	340.40	-62.19	-55.80	-13.00	-49.19	-6.39	Peak
3	428.67	-62.76	-57.04	-13.00	-49.76	-5.72	Peak
4	558.65	-66.26	-63.77	-13.00	-53.26	-2.49	Peak
5	622.67	-56.26	-55.45	-13.00	-43.26	-0.81	Peak
6	872.93	-60.87	-61.29	-13.00	-47.87	0.42	Peak
7 pp	3508.60	-54.03	-46.58	-13.00	-41.03	-7.45	Peak

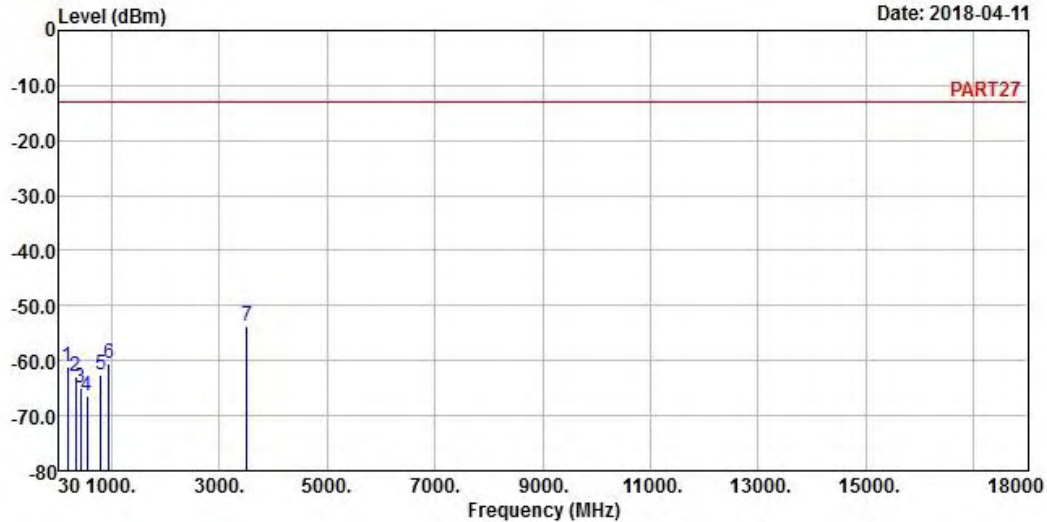


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 4 QPSK_1.4M Link_H-CH
Tested by: Jisyong Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	184.23	-61.00	-53.73	-13.00	-48.00	-7.27	Peak
2	329.73	-62.91	-56.36	-13.00	-49.91	-6.55	Peak
3	421.88	-64.99	-59.22	-13.00	-51.99	-5.77	Peak
4	544.10	-66.48	-63.42	-13.00	-53.48	-3.06	Peak
5	795.33	-62.72	-63.47	-13.00	-49.72	0.75	Peak
6	955.38	-60.65	-62.65	-13.00	-47.65	2.00	Peak
7 pp	3508.60	-53.84	-46.39	-13.00	-40.84	-7.45	Peak

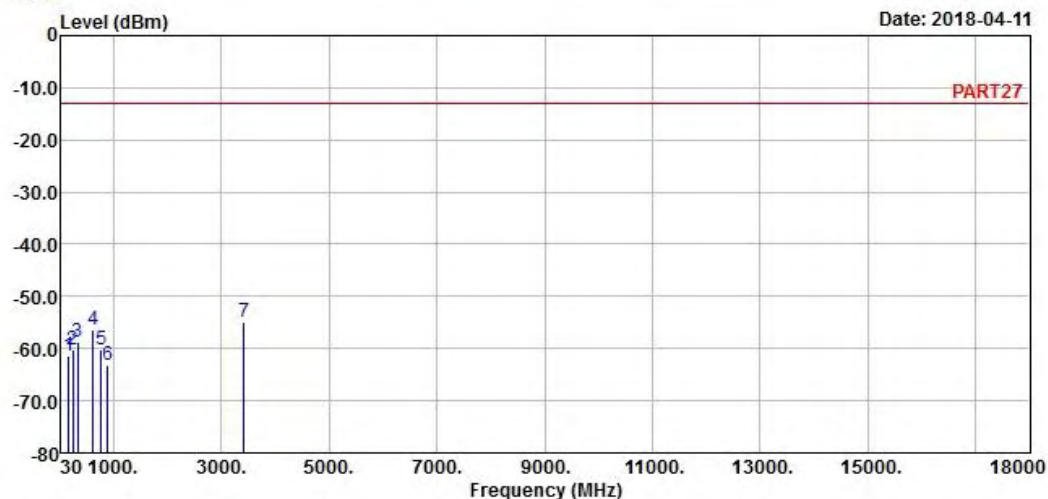
LTE Band 4
Channel Bandwidth: 3 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_3M Link_L-CH
Tested by: Jisyong Wang

		Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	167.74	-61.38	-55.99	-13.00	-48.38	-5.39	Peak
2	243.40	-60.29	-54.02	-13.00	-47.29	-6.27	Peak
3	332.64	-58.89	-52.38	-13.00	-45.89	-6.51	Peak
4	622.67	-56.26	-55.45	-13.00	-43.26	-0.81	Peak
5	777.87	-60.08	-60.88	-13.00	-47.08	0.80	Peak
6	894.27	-63.27	-63.81	-13.00	-50.27	0.54	Peak
7 pp	3423.00	-54.97	-46.63	-13.00	-41.97	-8.34	Peak

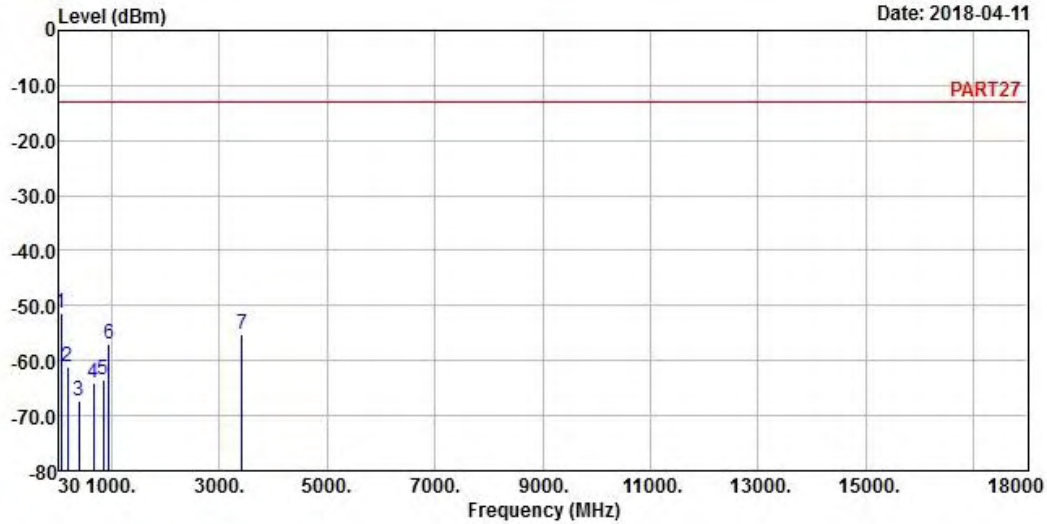


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_3M Link_L-CH

Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	61.04	-51.30	-43.56	-13.00	-38.30	-7.74	Peak
2	185.20	-61.03	-53.79	-13.00	-48.03	-7.24	Peak
3	399.57	-67.42	-61.47	-13.00	-54.42	-5.95	Peak
4	659.53	-64.03	-63.30	-13.00	-51.03	-0.73	Peak
5	848.68	-63.40	-63.70	-13.00	-50.40	0.30	Peak
6	960.23	-57.02	-59.20	-13.00	-44.02	2.18	Peak
7	3423.00	-55.28	-46.94	-13.00	-42.28	-8.34	Peak

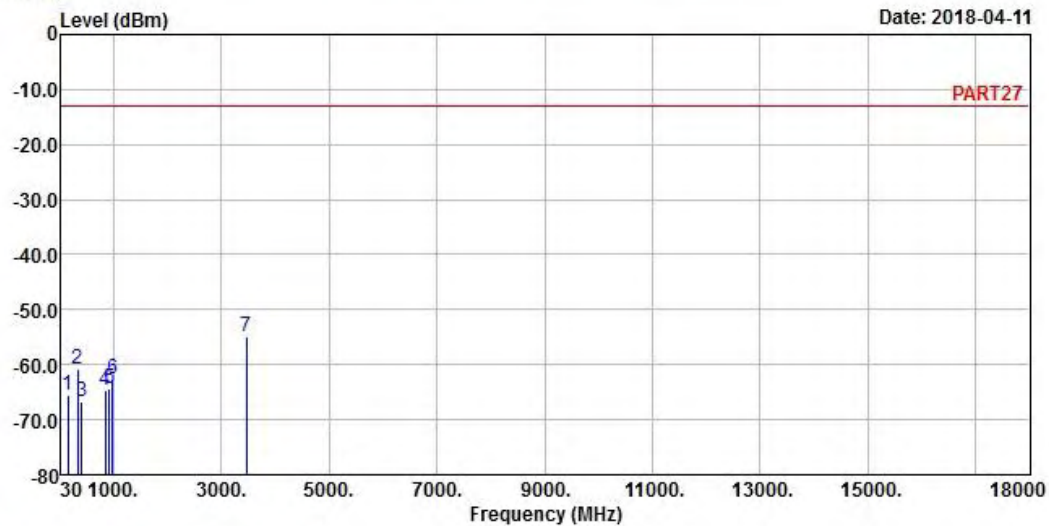
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



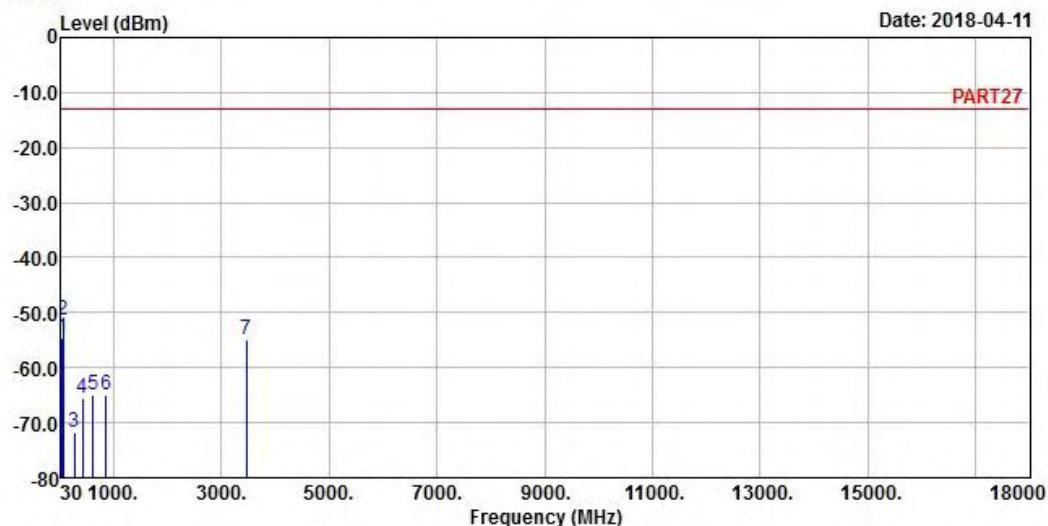


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_3M Link_M-CH

Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	44.55	-54.72	-52.73	-13.00	-41.72	-1.99	Peak
2 pp	62.01	-51.35	-43.54	-13.00	-38.35	-7.81	Peak
3	282.20	-71.87	-65.22	-13.00	-58.87	-6.65	Peak
4	427.70	-65.47	-59.74	-13.00	-52.47	-5.73	Peak
5	621.70	-65.08	-64.27	-13.00	-52.08	-0.81	Peak
6	861.29	-64.98	-65.34	-13.00	-51.98	0.36	Peak
7	3465.00	-54.85	-46.97	-13.00	-41.85	-7.88	Peak

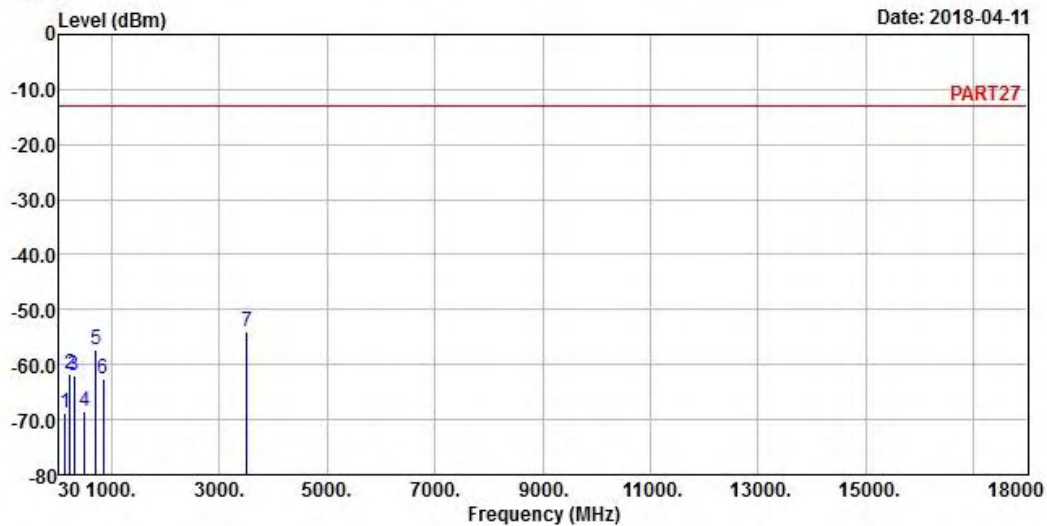
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_3M Link_H-CH
Tested by: Jisyoung Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	140.58	-68.86	-60.30	-13.00	-55.86	-8.56	Peak
2	226.91	-61.59	-54.66	-13.00	-48.59	-6.93	Peak
3	312.27	-61.90	-55.08	-13.00	-48.90	-6.82	Peak
4	497.54	-68.50	-63.83	-13.00	-55.50	-4.67	Peak
5	708.03	-57.34	-57.39	-13.00	-44.34	0.05	Peak
6	847.71	-62.72	-63.03	-13.00	-49.72	0.31	Peak
7 pp	3507.00	-54.03	-46.58	-13.00	-41.03	-7.45	Peak

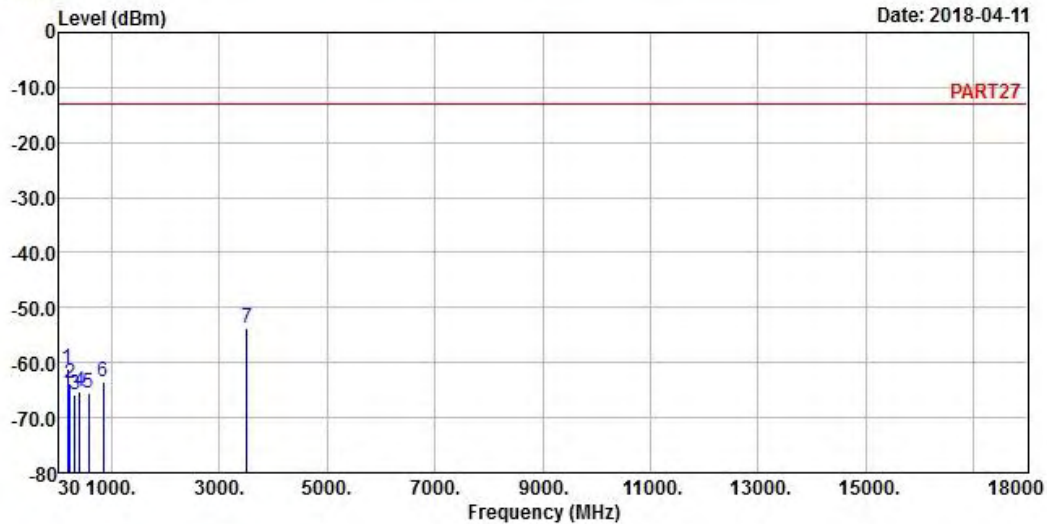


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_3M Link_H-CH

Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	184.23	-61.00	-53.73	-13.00	-48.00	-7.27	Peak
2	223.03	-63.80	-56.72	-13.00	-50.80	-7.08	Peak
3	323.91	-65.91	-59.27	-13.00	-52.91	-6.64	Peak
4	418.00	-65.12	-59.32	-13.00	-52.12	-5.80	Peak
5	570.29	-65.42	-63.42	-13.00	-52.42	-2.00	Peak
6	848.68	-63.40	-63.70	-13.00	-50.40	0.30	Peak
7 pp	3507.00	-53.84	-46.39	-13.00	-40.84	-7.45	Peak

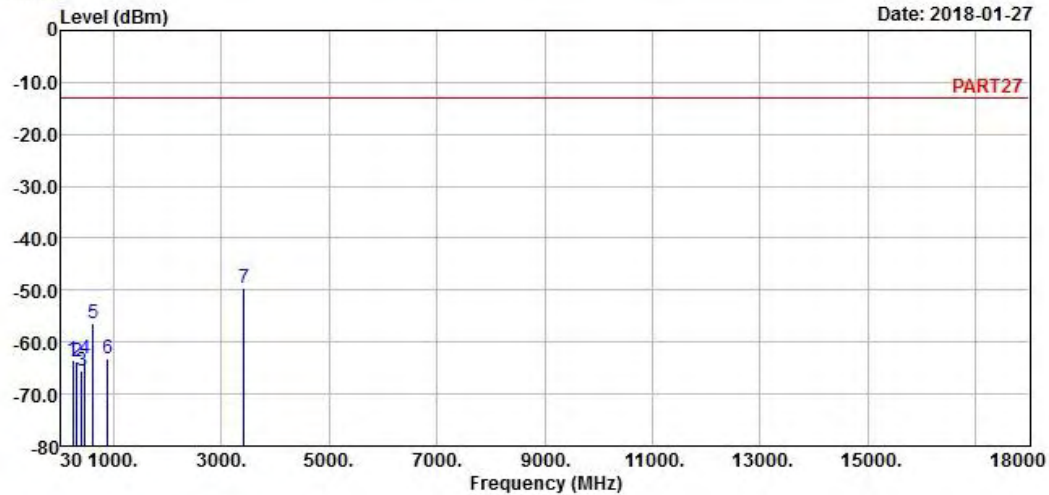
LTE Band 4
Channel Bandwidth: 5 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_5M Link_L-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	238.55	-63.48	-57.02	-13.00	-50.48	-6.46	Peak
2	324.88	-63.76	-57.13	-13.00	-50.76	-6.63	Peak
3	415.09	-65.39	-59.56	-13.00	-52.39	-5.83	Peak
4	478.14	-63.19	-58.16	-13.00	-50.19	-5.03	Peak
5	622.67	-56.26	-55.45	-13.00	-43.26	-0.81	Peak
6	894.27	-63.27	-63.81	-13.00	-50.27	0.54	Peak
7 pp	3425.00	-49.58	-40.49	-13.00	-36.58	-9.09	Peak

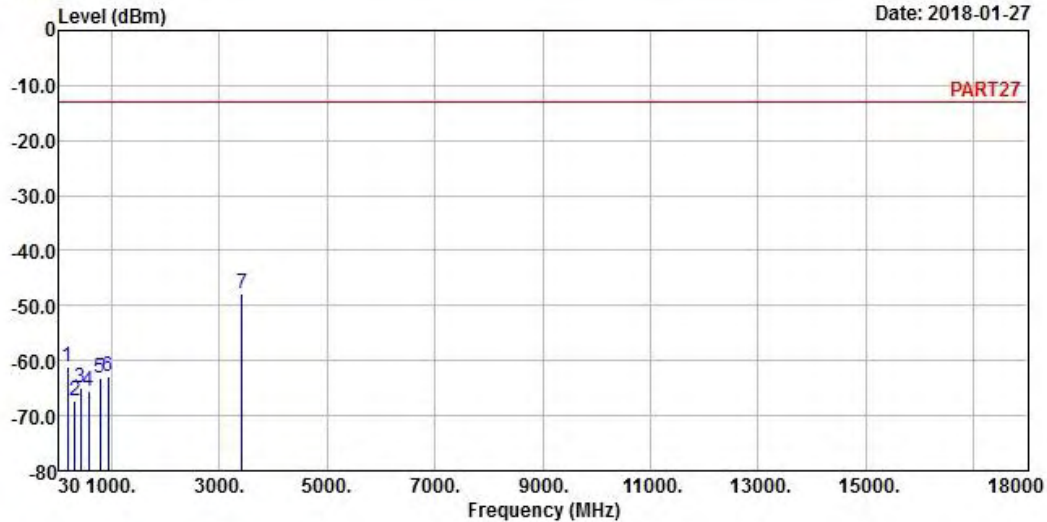


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_5M Link_L-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	184.23	-61.00	-53.73	-13.00	-48.00	-7.27	Peak
2	314.21	-67.34	-60.55	-13.00	-54.34	-6.79	Peak
3	421.88	-64.99	-59.22	-13.00	-51.99	-5.77	Peak
4	570.29	-65.42	-63.42	-13.00	-52.42	-2.00	Peak
5	788.54	-63.20	-63.97	-13.00	-50.20	0.77	Peak
6	935.98	-62.87	-64.33	-13.00	-49.87	1.46	Peak
7 pp	3425.00	-47.81	-38.72	-13.00	-34.81	-9.09	Peak

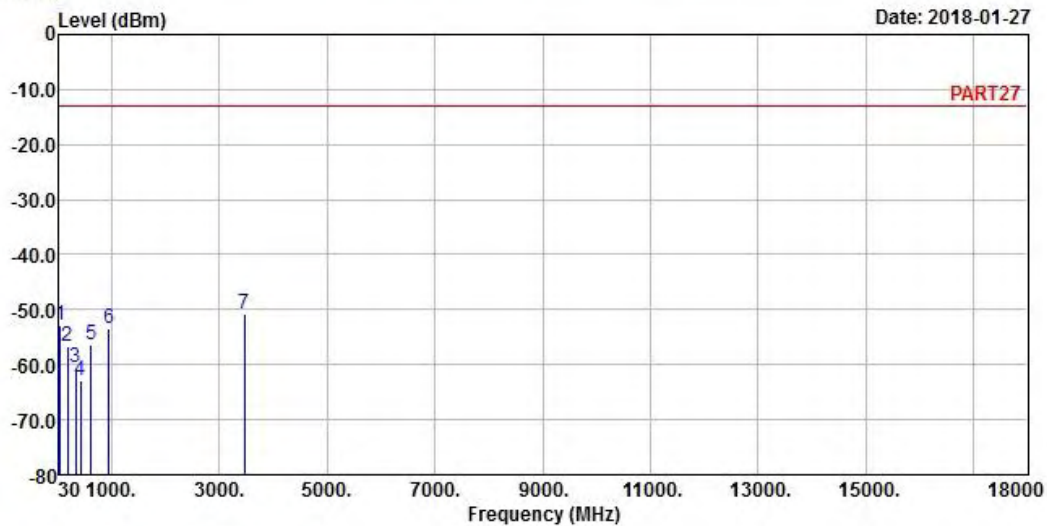
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_5M Link_M-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	43.58	-52.91	-51.44	-13.00	-39.91	-1.47	Peak
2	181.32	-56.80	-49.43	-13.00	-43.80	-7.37	Peak
3	330.70	-60.42	-53.88	-13.00	-47.42	-6.54	Peak
4	428.67	-62.76	-57.04	-13.00	-49.76	-5.72	Peak
5	622.67	-56.26	-55.45	-13.00	-43.26	-0.81	Peak
6	960.23	-53.42	-55.60	-13.00	-40.42	2.18	Peak
7 pp	3465.00	-50.79	-41.88	-13.00	-37.79	-8.91	Peak

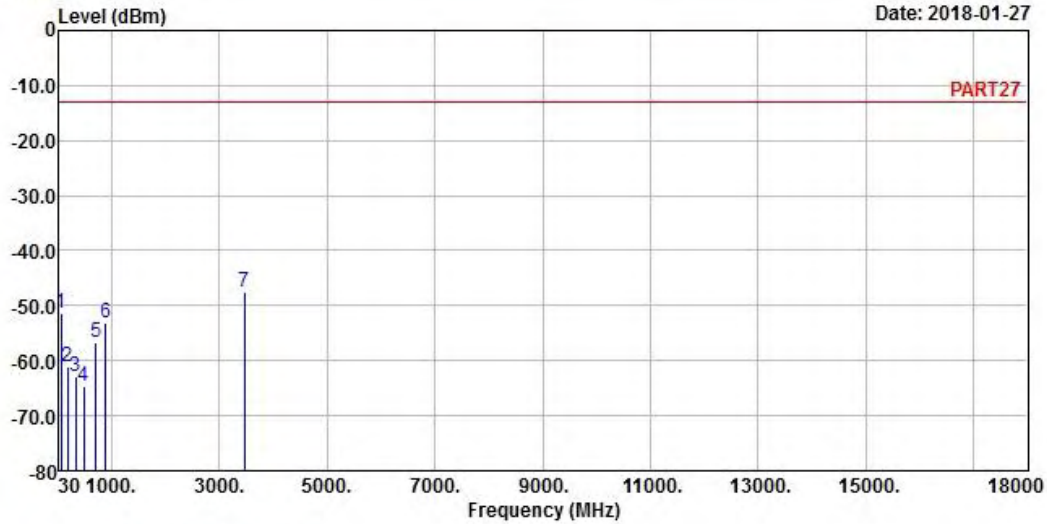


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_5M Link_M-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	61.04	-51.30	-43.56	-13.00	-38.30	-7.74	Peak
2	184.23	-61.00	-53.73	-13.00	-48.00	-7.27	Peak
3	329.73	-62.91	-56.36	-13.00	-49.91	-6.55	Peak
4	480.08	-64.78	-59.79	-13.00	-51.78	-4.99	Peak
5	715.79	-56.72	-56.93	-13.00	-43.72	0.21	Peak
6	894.27	-53.28	-53.82	-13.00	-40.28	0.54	Peak
7 pp	3465.00	-47.55	-38.64	-13.00	-34.55	-8.91	Peak

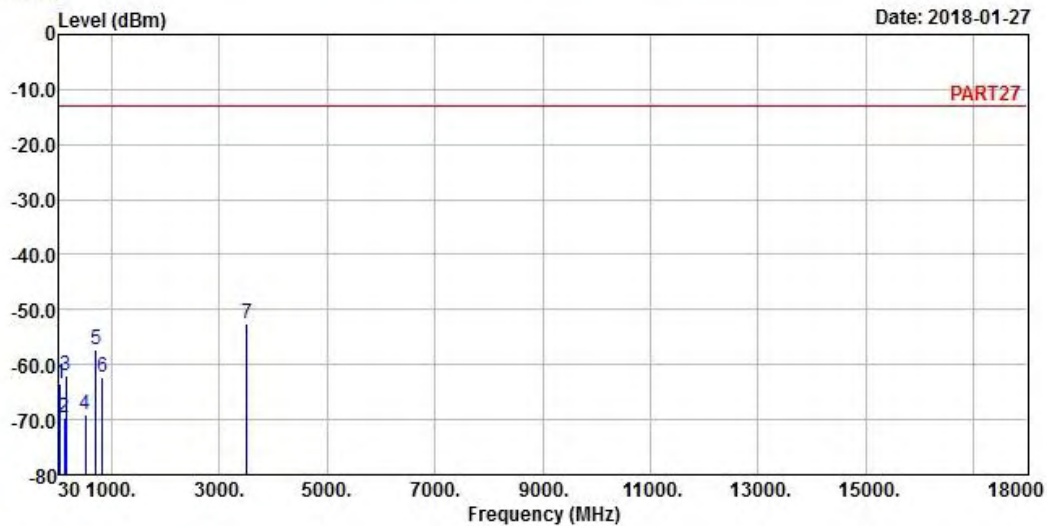
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5

Condition: PART27 HORIZONTAL

Remak : LTE Band 4 QPSK_5M Link_H-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	52.31	-63.58	-58.04	-13.00	-50.58	-5.54	Peak
2	127.97	-69.61	-60.69	-13.00	-56.61	-8.92	Peak
3	160.95	-62.14	-57.23	-13.00	-49.14	-4.91	Peak
4	520.82	-68.98	-65.09	-13.00	-55.98	-3.89	Peak
5	708.03	-57.34	-57.39	-13.00	-44.34	0.05	Peak
6	837.04	-62.14	-62.54	-13.00	-49.14	0.40	Peak
7 pp	3505.00	-52.54	-44.43	-13.00	-39.54	-8.11	Peak

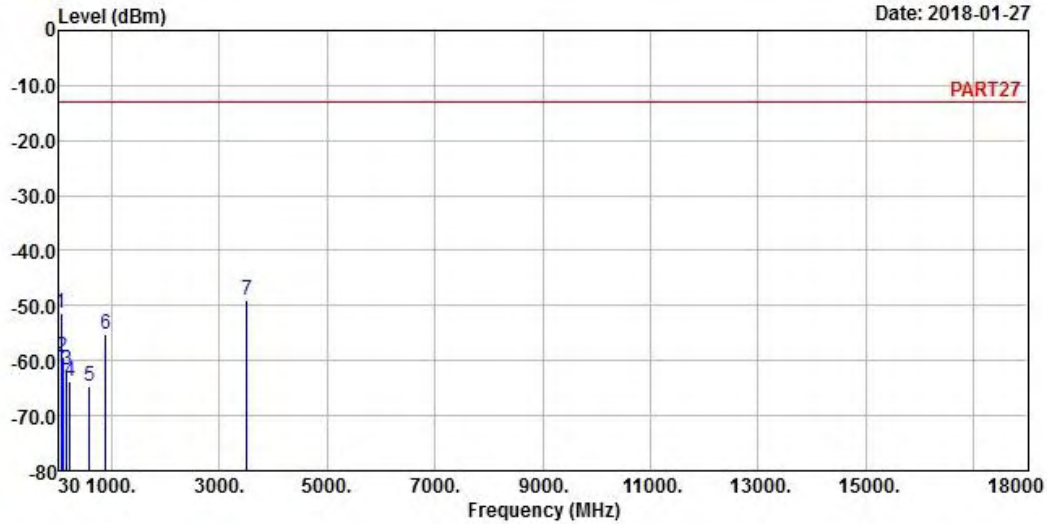


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_5M Link_H-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	61.04	-51.30	-43.56	-13.00	-38.30	-7.74	Peak
2	92.08	-59.47	-48.47	-13.00	-46.47	-11.00	Peak
3	162.89	-61.55	-56.50	-13.00	-48.55	-5.05	Peak
4	223.03	-63.80	-56.72	-13.00	-50.80	-7.08	Peak
5	587.75	-64.66	-63.38	-13.00	-51.66	-1.28	Peak
6	887.48	-55.26	-55.76	-13.00	-42.26	0.50	Peak
7 pp	3505.00	-48.96	-40.85	-13.00	-35.96	-8.11	Peak

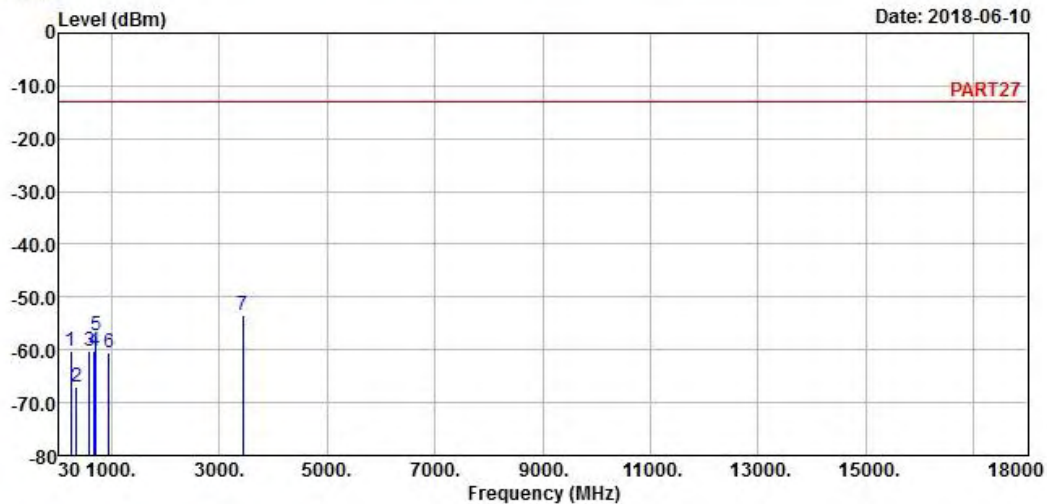
LTE Band 4
Channel Bandwidth: 10 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 7



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_10M Link_L-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	243.40	-60.29	-54.02	-13.00	-47.29	-6.27	Peak
2	356.89	-67.01	-60.81	-13.00	-54.01	-6.20	Peak
3	597.45	-60.32	-59.45	-13.00	-47.32	-0.87	Peak
4	679.90	-60.20	-59.78	-13.00	-47.20	-0.42	Peak
5	708.03	-57.34	-57.39	-13.00	-44.34	0.05	Peak
6	953.44	-60.40	-62.34	-13.00	-47.40	1.94	Peak
7 pp	3430.00	-53.30	-44.21	-13.00	-40.30	-9.09	Peak

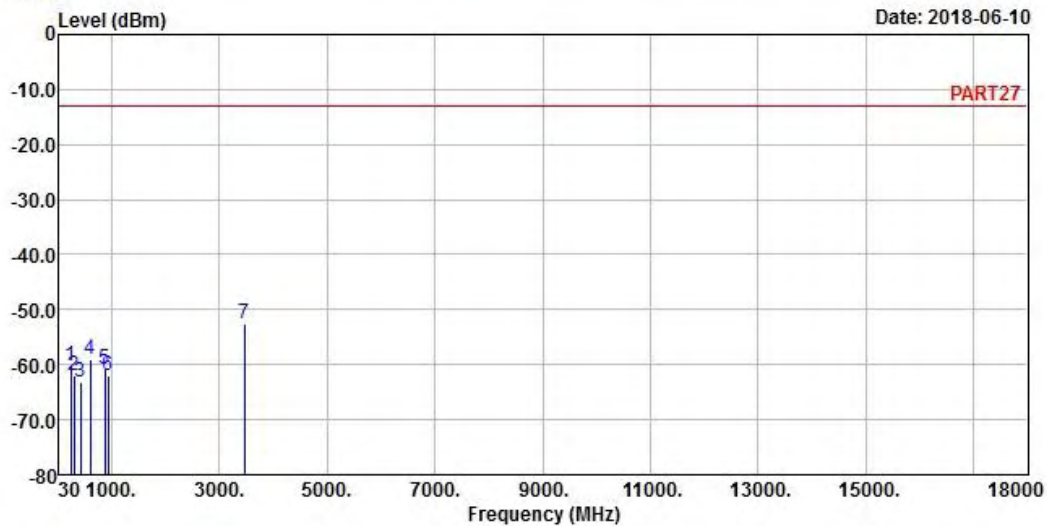
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_10M Link_M-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	243.40	-60.29	-54.02	-13.00	-47.29	-6.27	Peak
2	312.27	-61.90	-55.08	-13.00	-48.90	-6.82	Peak
3	423.82	-63.08	-57.32	-13.00	-50.08	-5.76	Peak
4	601.33	-58.91	-58.15	-13.00	-45.91	-0.76	Peak
5	872.93	-60.87	-61.29	-13.00	-47.87	0.42	Peak
6	938.89	-62.13	-63.66	-13.00	-49.13	1.53	Peak
7 pp	3465.00	-52.65	-43.74	-13.00	-39.65	-8.91	Peak

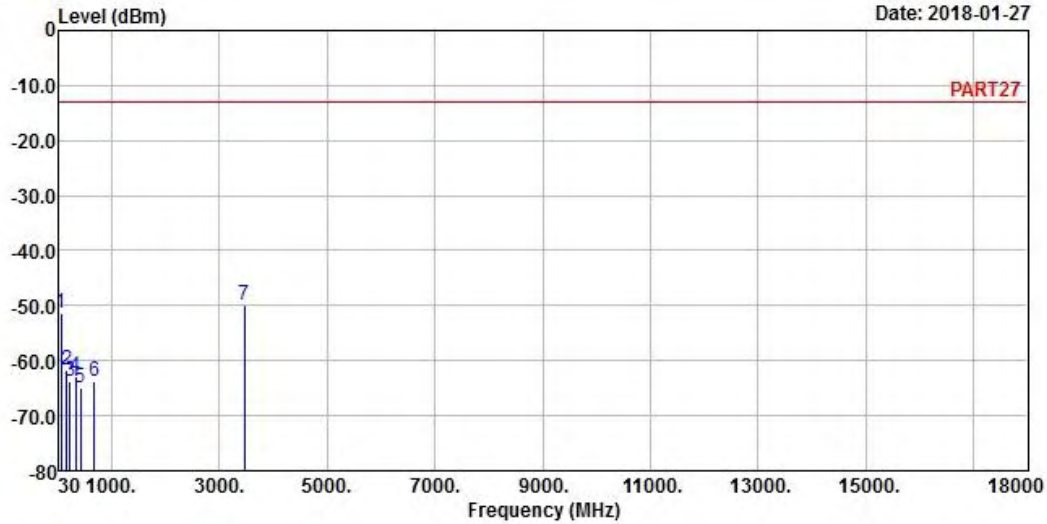


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_10M Link_M-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	62.01	-51.35	-43.54	-13.00	-38.35	-7.81	Peak
2	162.89	-61.55	-56.50	-13.00	-48.55	-5.05	Peak
3	223.03	-63.80	-56.72	-13.00	-50.80	-7.08	Peak
4	329.73	-62.91	-56.36	-13.00	-49.91	-6.55	Peak
5	421.88	-64.99	-59.22	-13.00	-51.99	-5.77	Peak
6	685.72	-63.78	-63.45	-13.00	-50.78	-0.33	Peak
7 pp	3465.00	-49.75	-40.84	-13.00	-36.75	-8.91	Peak

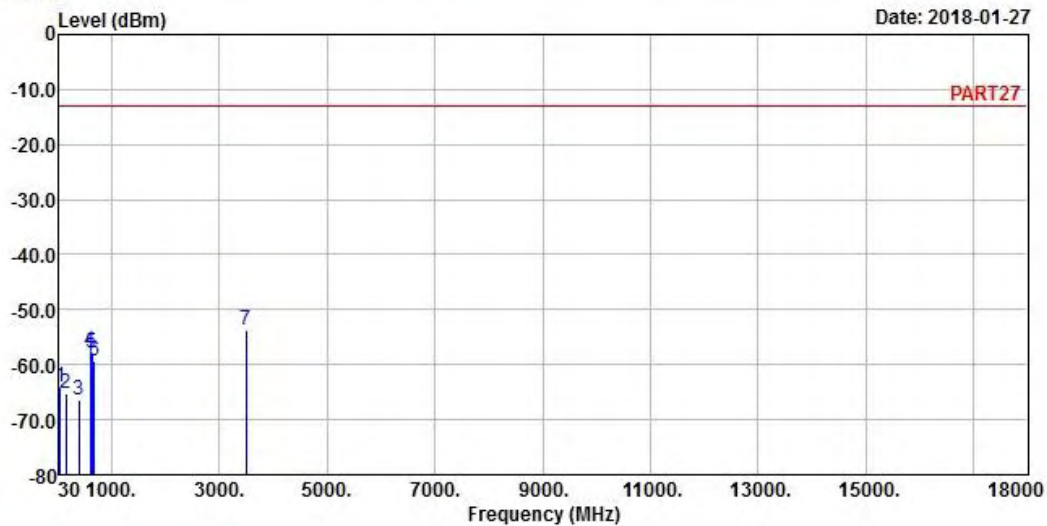
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_10M Link_H-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	46.49	-64.00	-61.00	-13.00	-51.00	-3.00	Peak
2	157.07	-65.18	-59.52	-13.00	-52.18	-5.66	Peak
3	402.48	-66.52	-60.59	-13.00	-53.52	-5.93	Peak
4	607.15	-57.68	-56.91	-13.00	-44.68	-0.77	Peak
5	641.10	-57.76	-56.90	-13.00	-44.76	-0.86	Peak
6	682.81	-59.25	-58.88	-13.00	-46.25	-0.37	Peak
7 pp	3500.00	-53.87	-45.76	-13.00	-40.87	-8.11	Peak

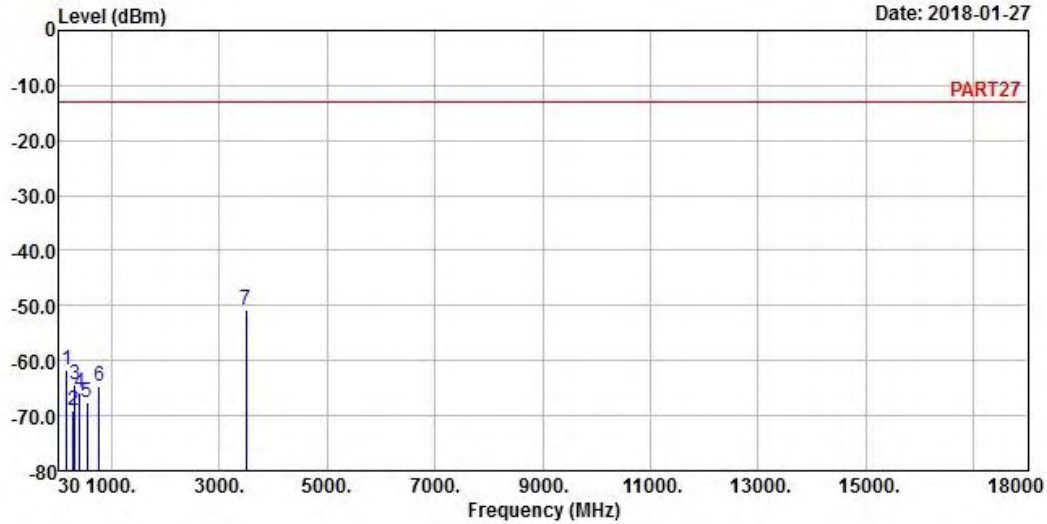


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 4 QPSK_10M Link_H-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	162.89	-61.55	-56.50	-13.00	-48.55	-5.05	Peak
2	292.87	-69.19	-62.32	-13.00	-56.19	-6.87	Peak
3	327.79	-64.32	-57.74	-13.00	-51.32	-6.58	Peak
4	412.18	-65.98	-60.13	-13.00	-52.98	-5.85	Peak
5	542.16	-67.73	-64.60	-13.00	-54.73	-3.13	Peak
6	770.11	-64.60	-65.42	-13.00	-51.60	0.82	Peak
7 pp	3500.00	-50.72	-42.61	-13.00	-37.72	-8.11	Peak

LTE Band 4
Channel Bandwidth: 15 MHz / QPSK
Low Channel

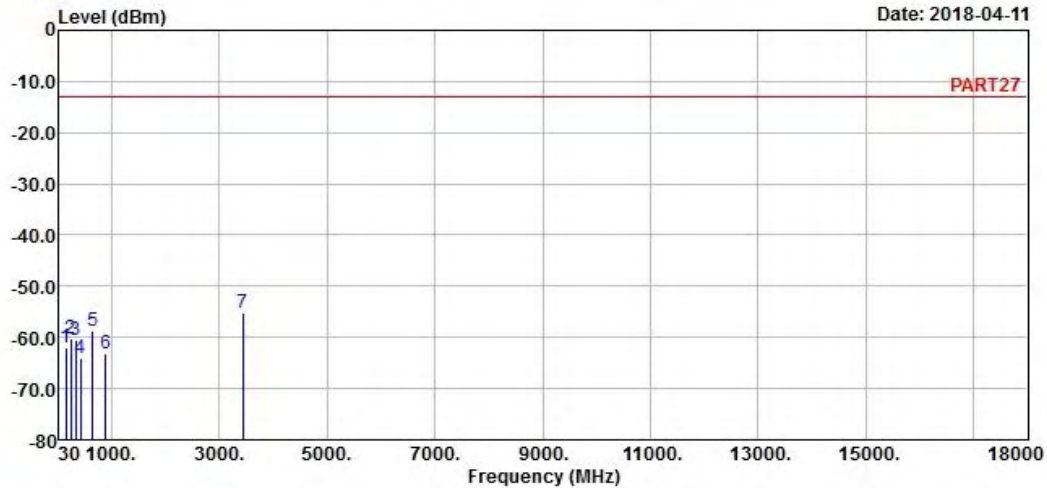


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5

Date: 2018-04-11



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_15M Link_L-CH
Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	161.92	-61.96	-56.98	-13.00	-48.96	-4.98	Peak
2	243.40	-60.29	-54.02	-13.00	-47.29	-6.27	Peak
3	336.52	-60.46	-54.01	-13.00	-47.46	-6.45	Peak
4	431.58	-64.09	-58.39	-13.00	-51.09	-5.70	Peak
5	656.62	-58.77	-57.99	-13.00	-45.77	-0.78	Peak
6	894.27	-63.27	-63.81	-13.00	-50.27	0.54	Peak
7 pp	3435.00	-55.22	-47.00	-13.00	-42.22	-8.22	Peak

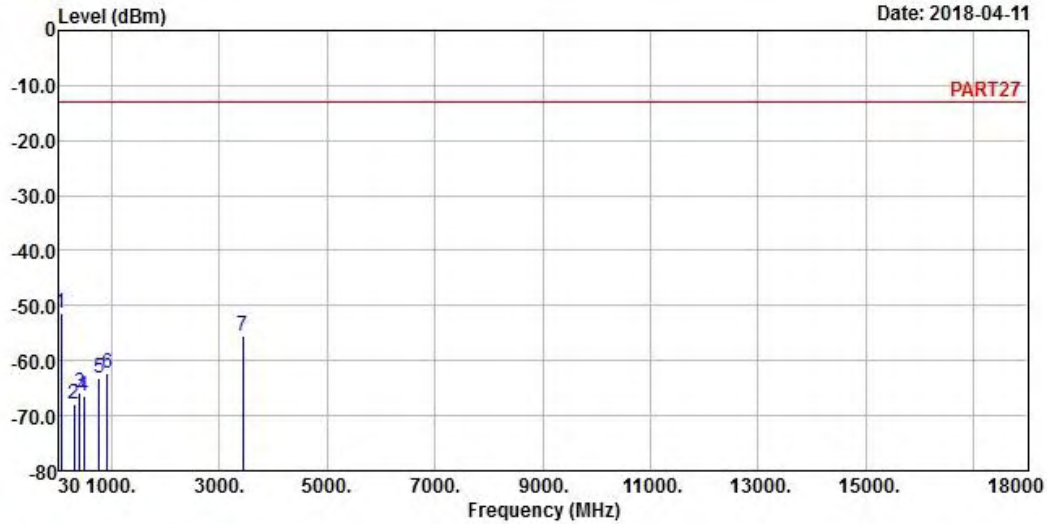


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_15M Link_L-CH

Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	61.04	-51.30	-43.56	-13.00	-38.30	-7.74	Peak
2	306.45	-67.77	-60.86	-13.00	-54.77	-6.91	Peak
3	411.21	-65.79	-59.93	-13.00	-52.79	-5.86	Peak
4	484.93	-66.36	-61.46	-13.00	-53.36	-4.90	Peak
5	778.84	-63.11	-63.91	-13.00	-50.11	0.80	Peak
6	922.40	-62.34	-63.46	-13.00	-49.34	1.12	Peak
7	3435.00	-55.46	-47.24	-13.00	-42.46	-8.22	Peak

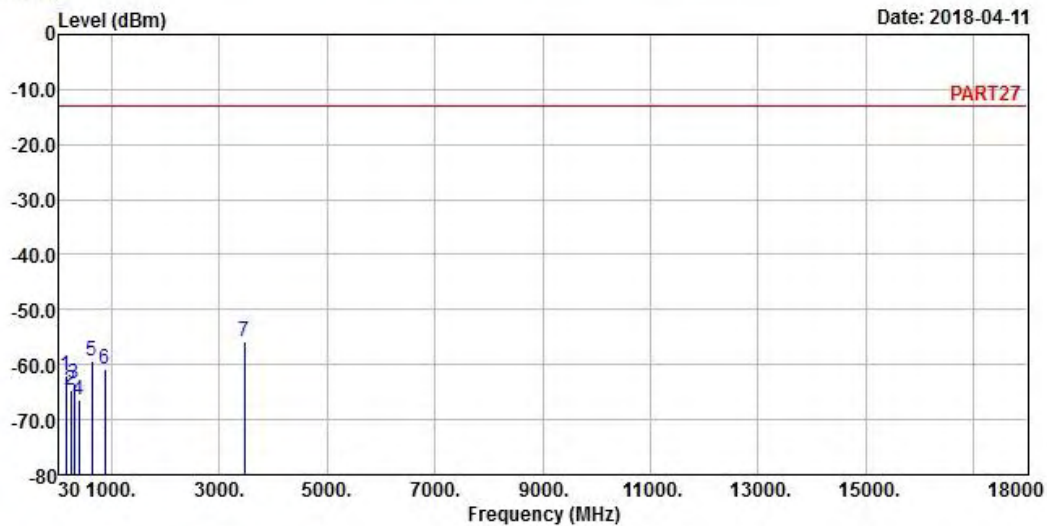
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_15M Link_M-CH
 Tested by: Jisyong Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	161.92	-61.96	-56.98	-13.00	-48.96	-4.98	Peak
2	250.19	-64.58	-58.59	-13.00	-51.58	-5.99	Peak
3	303.54	-63.38	-56.43	-13.00	-50.38	-6.95	Peak
4	402.48	-66.52	-60.59	-13.00	-53.52	-5.93	Peak
5	638.19	-59.31	-58.46	-13.00	-46.31	-0.85	Peak
6	872.93	-60.87	-61.29	-13.00	-47.87	0.42	Peak
7 pp	3465.00	-55.85	-47.97	-13.00	-42.85	-7.88	Peak

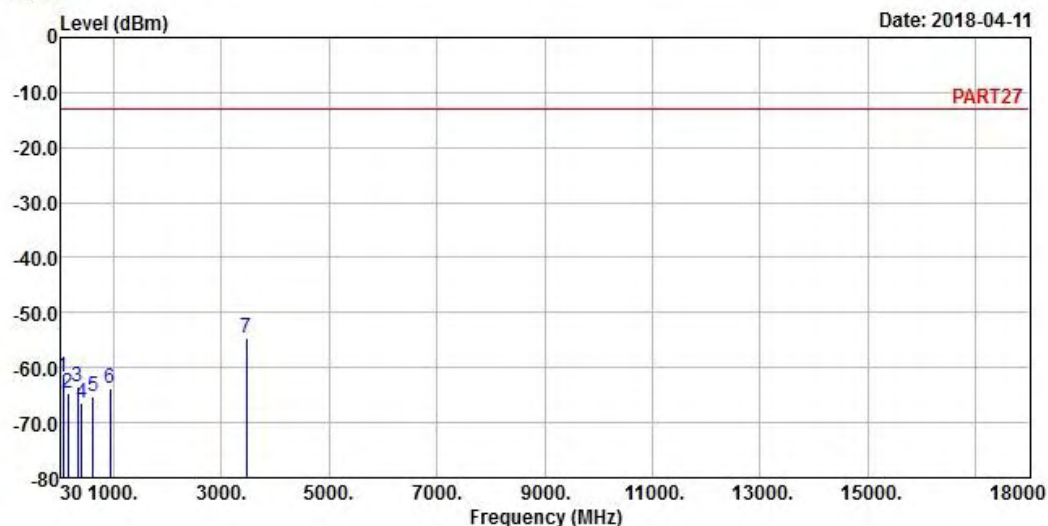


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_15M Link_M-CH

Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	65.89	-61.57	-53.47	-13.00	-48.57	-8.10	Peak
2	160.95	-64.58	-59.67	-13.00	-51.58	-4.91	Peak
3	331.67	-63.47	-56.95	-13.00	-50.47	-6.52	Peak
4	407.33	-66.37	-60.48	-13.00	-53.37	-5.89	Peak
5	623.64	-65.16	-64.34	-13.00	-52.16	-0.82	Peak
6	934.04	-63.84	-65.25	-13.00	-50.84	1.41	Peak
7 pp	3465.00	-54.69	-46.81	-13.00	-41.69	-7.88	Peak

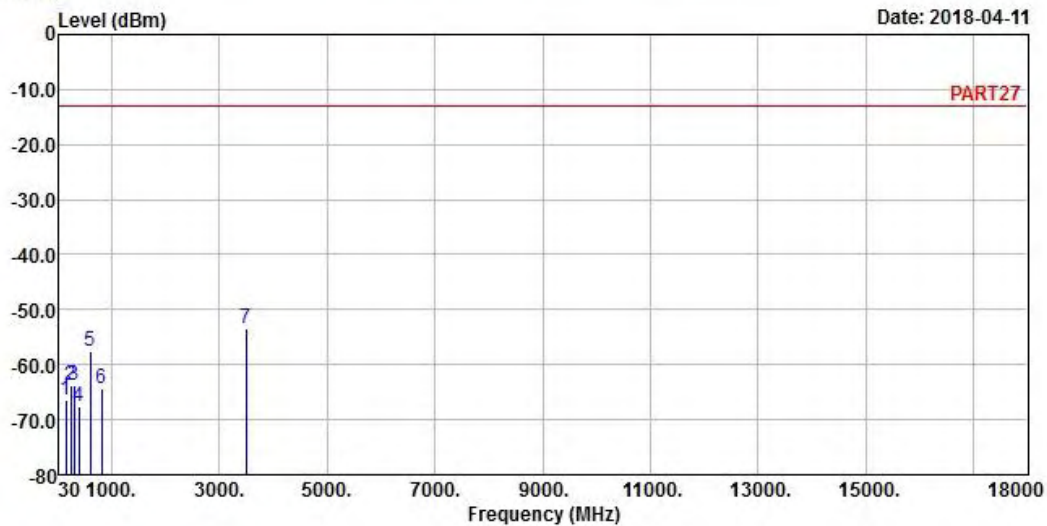
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_15M Link_H-CH
Tested by: Jisyoung Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	153.19	-66.33	-59.57	-13.00	-53.33	-6.76	Peak
2	240.49	-63.81	-57.43	-13.00	-50.81	-6.38	Peak
3	301.60	-63.75	-56.77	-13.00	-50.75	-6.98	Peak
4	392.78	-67.62	-61.63	-13.00	-54.62	-5.99	Peak
5	607.15	-57.68	-56.91	-13.00	-44.68	-0.77	Peak
6	817.64	-64.37	-64.95	-13.00	-51.37	0.58	Peak
7 pp	3495.00	-53.55	-46.02	-13.00	-40.55	-7.53	Peak

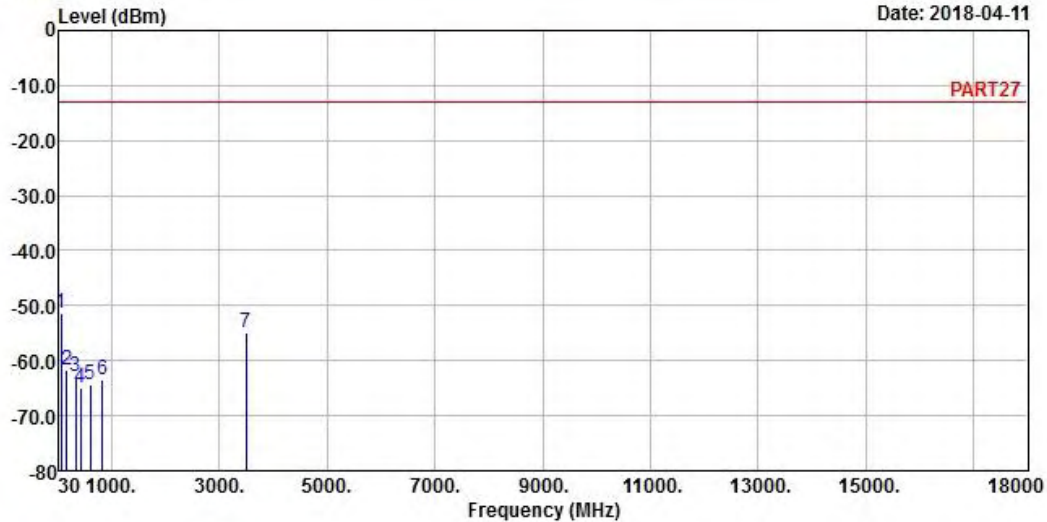


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 4 QPSK_15M Link_H-CH
Tested by: Jisyong Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	61.04	-51.30	-43.56	-13.00	-38.30	-7.74	Peak
2	162.89	-61.55	-56.50	-13.00	-48.55	-5.05	Peak
3	329.73	-62.91	-56.36	-13.00	-49.91	-6.55	Peak
4	421.88	-64.99	-59.22	-13.00	-51.99	-5.77	Peak
5	601.33	-64.45	-63.69	-13.00	-51.45	-0.76	Peak
6	826.37	-63.49	-63.99	-13.00	-50.49	0.50	Peak
7	3495.00	-55.00	-47.47	-13.00	-42.00	-7.53	Peak

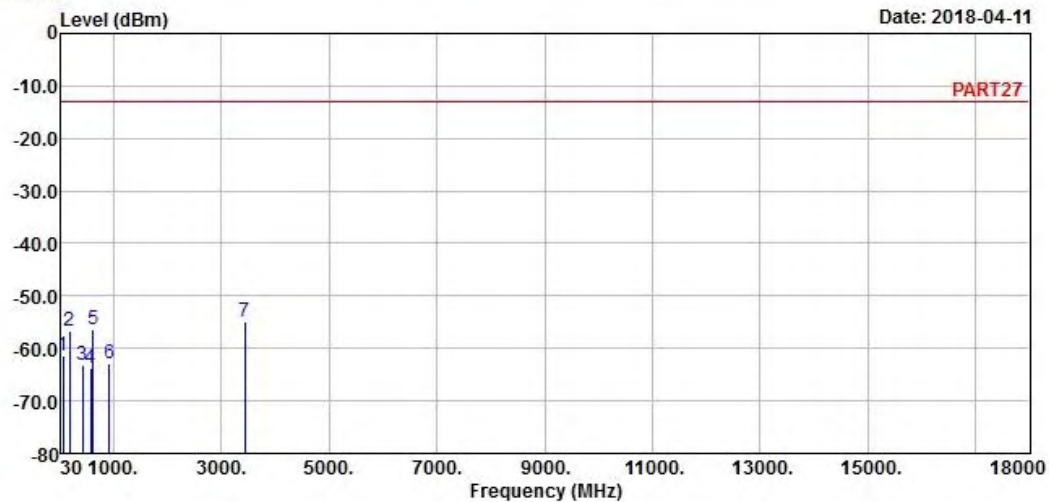
LTE Band 4
Channel Bandwidth: 20 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_20M Link_L-CH
Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	61.04	-61.29	-53.55	-13.00	-48.29	-7.74	Peak
2	181.32	-56.80	-49.43	-13.00	-43.80	-7.37	Peak
3	423.82	-63.08	-57.32	-13.00	-50.08	-5.76	Peak
4	578.05	-63.83	-62.15	-13.00	-50.83	-1.68	Peak
5	622.67	-56.26	-55.45	-13.00	-43.26	-0.81	Peak
6	915.61	-62.85	-63.81	-13.00	-49.85	0.96	Peak
7 pp	3440.00	-55.02	-46.80	-13.00	-42.02	-8.22	Peak

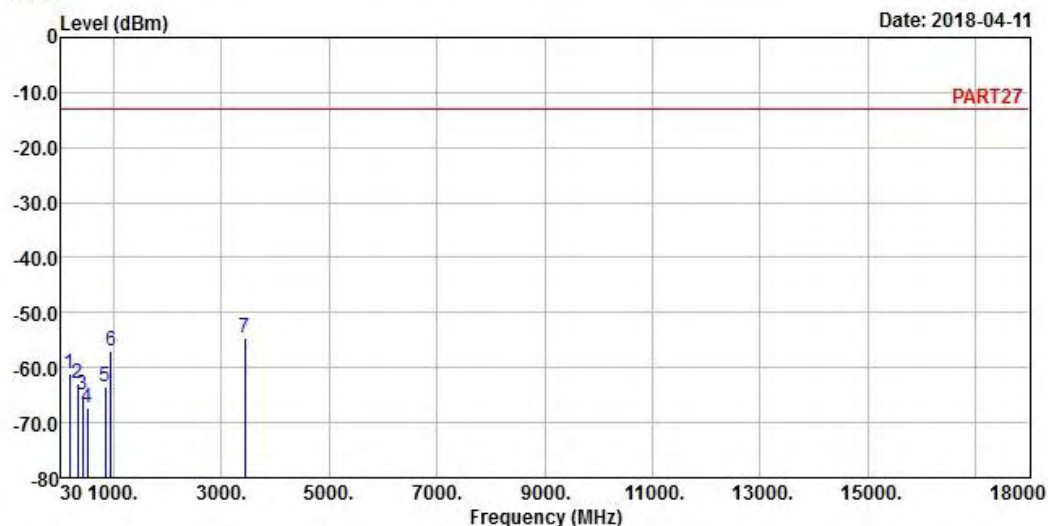


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_20M Link_L-CH

Tested by: Jisyong Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	184.23	-61.00	-53.73	-13.00	-48.00	-7.27	Peak
2	329.73	-62.91	-56.36	-13.00	-49.91	-6.55	Peak
3	421.88	-64.99	-59.22	-13.00	-51.99	-5.77	Peak
4	512.09	-67.19	-62.99	-13.00	-54.19	-4.20	Peak
5	848.68	-63.40	-63.70	-13.00	-50.40	0.30	Peak
6	960.23	-57.02	-59.20	-13.00	-44.02	2.18	Peak
7 pp	3440.00	-54.72	-46.50	-13.00	-41.72	-8.22	Peak

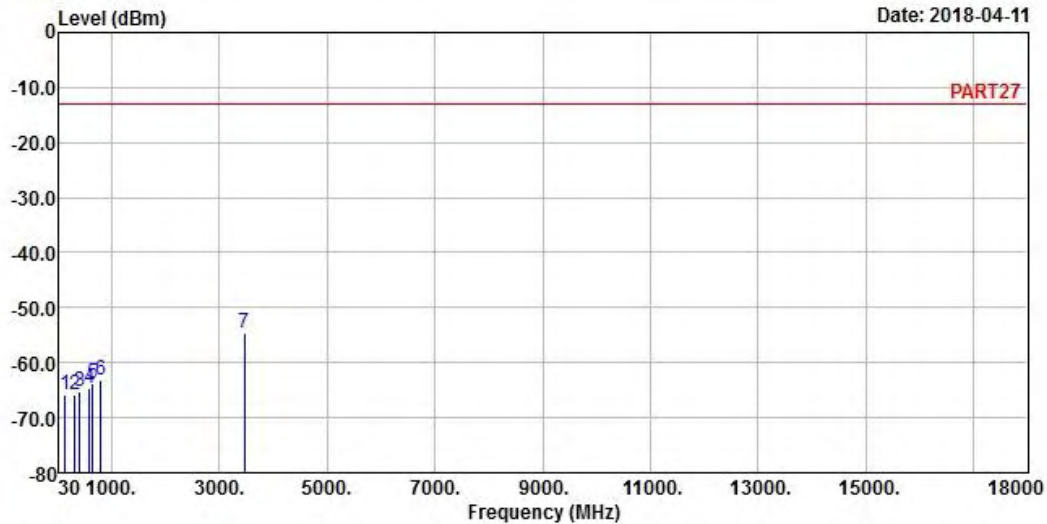


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 4 QPSK_20M Link_M-CH

Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	132.82	-65.71	-57.03	-13.00	-52.71	-8.68	Peak
2	323.91	-65.91	-59.27	-13.00	-52.91	-6.64	Peak
3	418.00	-65.12	-59.32	-13.00	-52.12	-5.80	Peak
4	587.75	-64.66	-63.38	-13.00	-51.66	-1.28	Peak
5	646.92	-63.74	-62.86	-13.00	-50.74	-0.88	Peak
6	802.12	-63.26	-63.98	-13.00	-50.26	0.72	Peak
7 pp	3465.00	-54.48	-46.60	-13.00	-41.48	-7.88	Peak

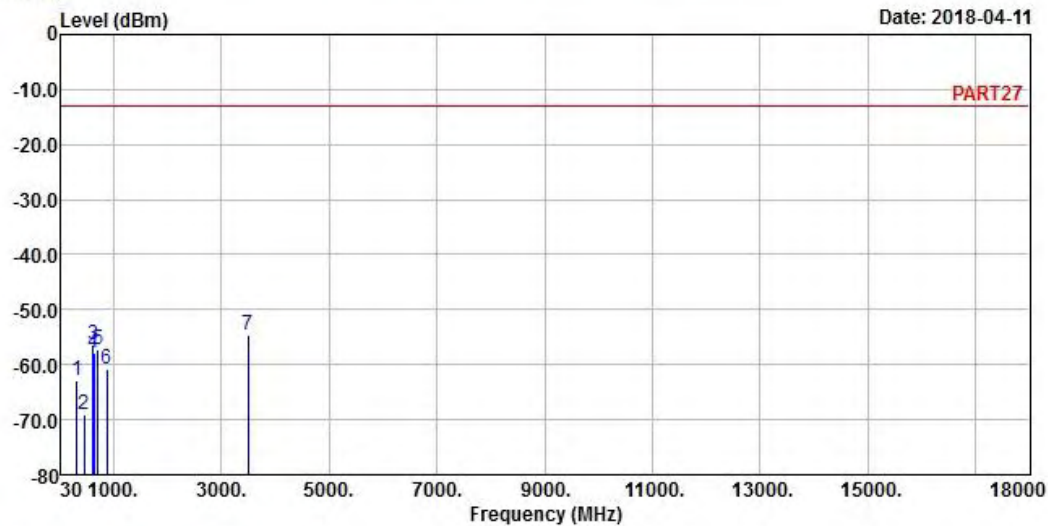
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 4 QPSK_20M Link_H-CH
 Tested by: Jisyong Wang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	322.94	-62.87	-56.21	-13.00	-49.87	-6.66	Peak
2	454.86	-69.08	-63.62	-13.00	-56.08	-5.46	Peak
3	622.67	-56.26	-55.45	-13.00	-43.26	-0.81	Peak
4	641.10	-57.76	-56.90	-13.00	-44.76	-0.86	Peak
5	708.03	-57.34	-57.39	-13.00	-44.34	0.05	Peak
6	872.93	-60.87	-61.29	-13.00	-47.87	0.42	Peak
7 pp	3490.00	-54.58	-46.93	-13.00	-41.58	-7.65	Peak

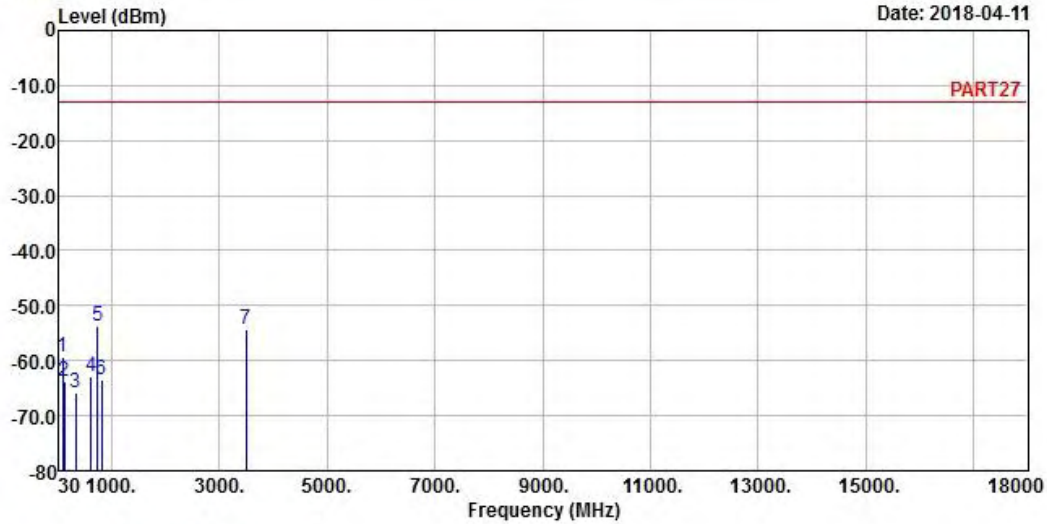


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 4 QPSK_20M Link_H-CH
Tested by: Jisyong Wang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	92.08	-59.47	-48.47	-13.00	-46.47	-11.00	Peak
2	128.94	-63.80	-54.99	-13.00	-50.80	-8.81	Peak
3	341.37	-65.77	-59.40	-13.00	-52.77	-6.37	Peak
4	617.82	-62.94	-62.14	-13.00	-49.94	-0.80	Peak
5 pp	738.10	-53.73	-54.38	-13.00	-40.73	0.65	Peak
6	821.52	-63.40	-63.94	-13.00	-50.40	0.54	Peak
7	3490.00	-54.31	-46.66	-13.00	-41.31	-7.65	Peak

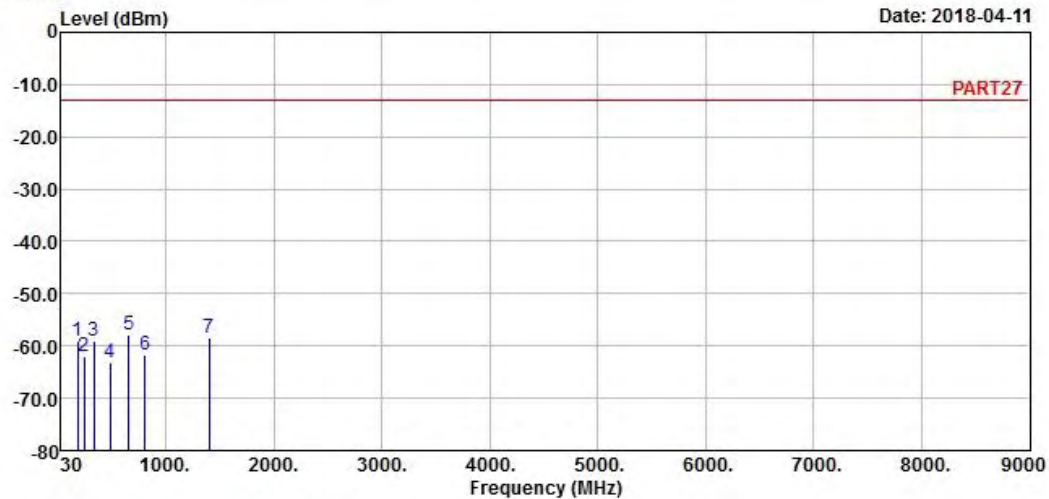
LTE Band 12
Channel Bandwidth: 1.4 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_1.4M Link_L-CH
Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
2	242.43	-61.89	-55.58	-13.00	-48.89	-6.31	Peak
3	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
4	481.05	-63.22	-58.25	-13.00	-50.22	-4.97	Peak
5 pp	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
6	808.91	-61.61	-62.27	-13.00	-48.61	0.66	Peak
7	1399.40	-58.56	-46.71	-13.00	-45.56	-11.85	Peak

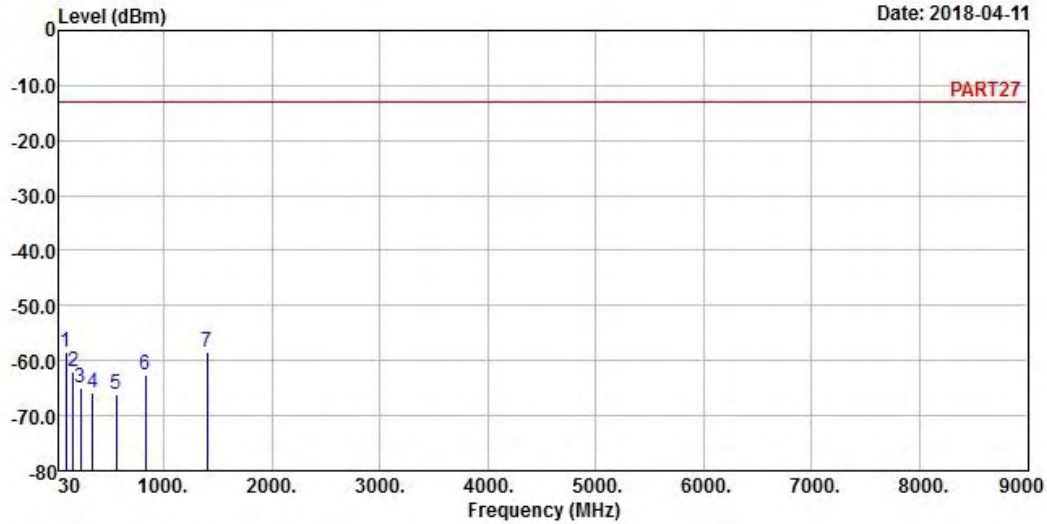


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_1.4M Link_L-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	92.08	-58.58	-47.58	-13.00	-45.58	-11.00	Peak
2	162.89	-62.10	-57.05	-13.00	-49.10	-5.05	Peak
3	226.91	-64.95	-58.02	-13.00	-51.95	-6.93	Peak
4	343.31	-65.97	-59.63	-13.00	-52.97	-6.34	Peak
5	558.65	-66.19	-63.70	-13.00	-53.19	-2.49	Peak
6	829.28	-62.62	-63.09	-13.00	-49.62	0.47	Peak
7 pp	1399.40	-58.41	-46.56	-13.00	-45.41	-11.85	Peak

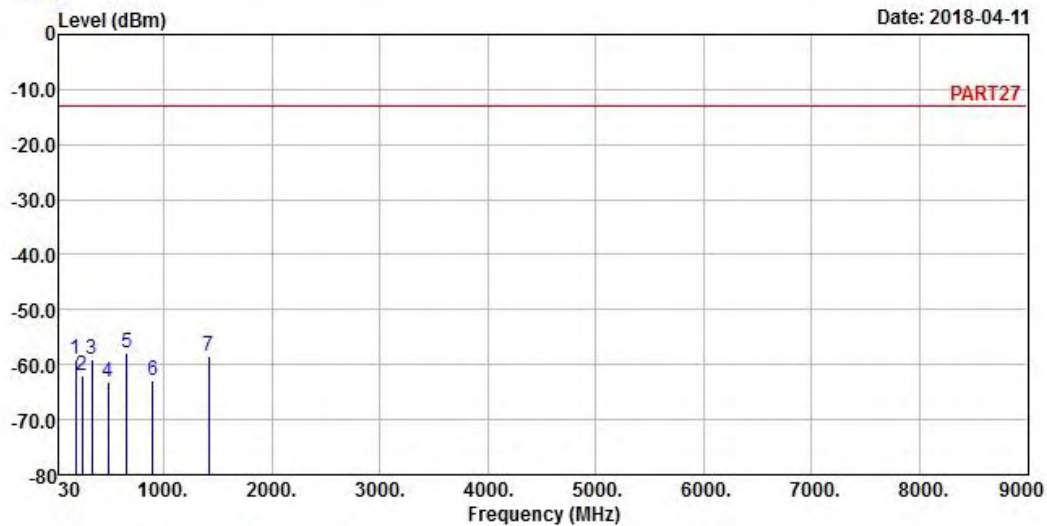
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_1.4M Link_M-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
2	242.43	-61.89	-55.58	-13.00	-48.89	-6.31	Peak
3	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
4	481.05	-63.22	-58.25	-13.00	-50.22	-4.97	Peak
5 pp	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
6	893.30	-62.83	-63.36	-13.00	-49.83	0.53	Peak
7	1415.00	-58.44	-46.36	-13.00	-45.44	-12.08	Peak

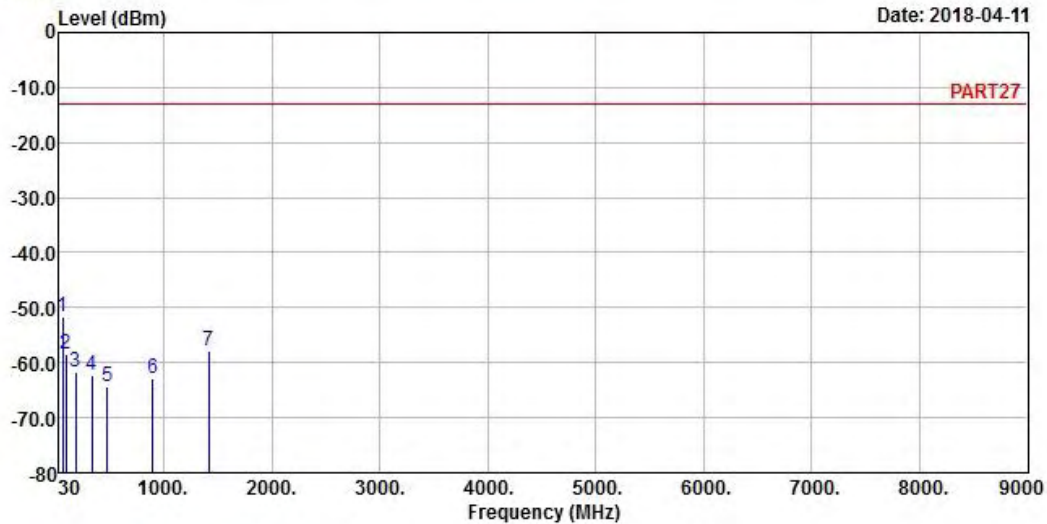


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_1.4M Link_M-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	92.08	-58.58	-47.58	-13.00	-45.58	-11.00	Peak
3	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
4	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
5	479.11	-64.42	-59.41	-13.00	-51.42	-5.01	Peak
6	897.18	-62.92	-63.47	-13.00	-49.92	0.55	Peak
7	1415.00	-57.89	-45.81	-13.00	-44.89	-12.08	Peak

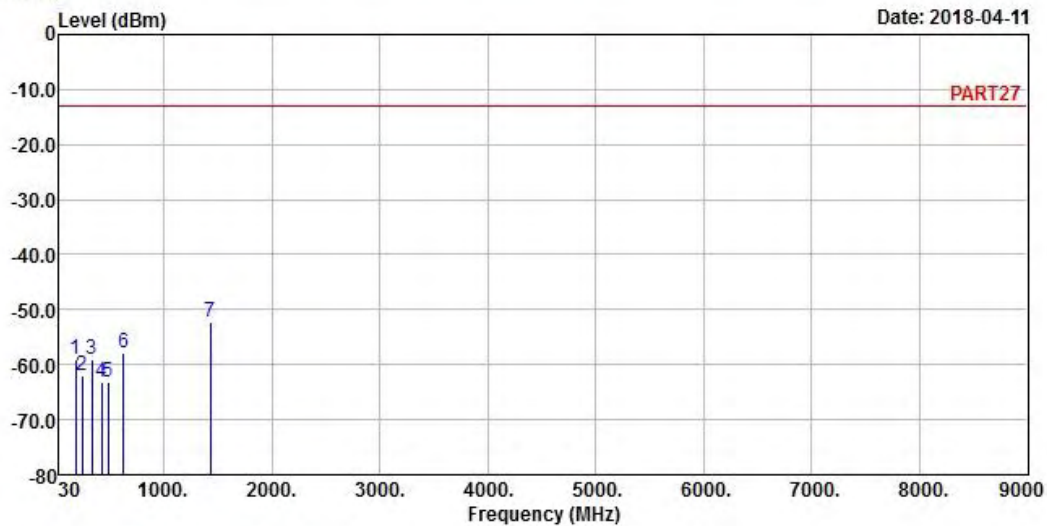
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_1.4M Link_H-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
2	242.43	-61.89	-55.58	-13.00	-48.89	-6.31	Peak
3	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
4	422.85	-63.06	-57.30	-13.00	-50.06	-5.76	Peak
5	481.05	-63.22	-58.25	-13.00	-50.22	-4.97	Peak
6	625.58	-57.91	-57.09	-13.00	-44.91	-0.82	Peak
7 pp	1430.60	-52.31	-40.00	-13.00	-39.31	-12.31	Peak

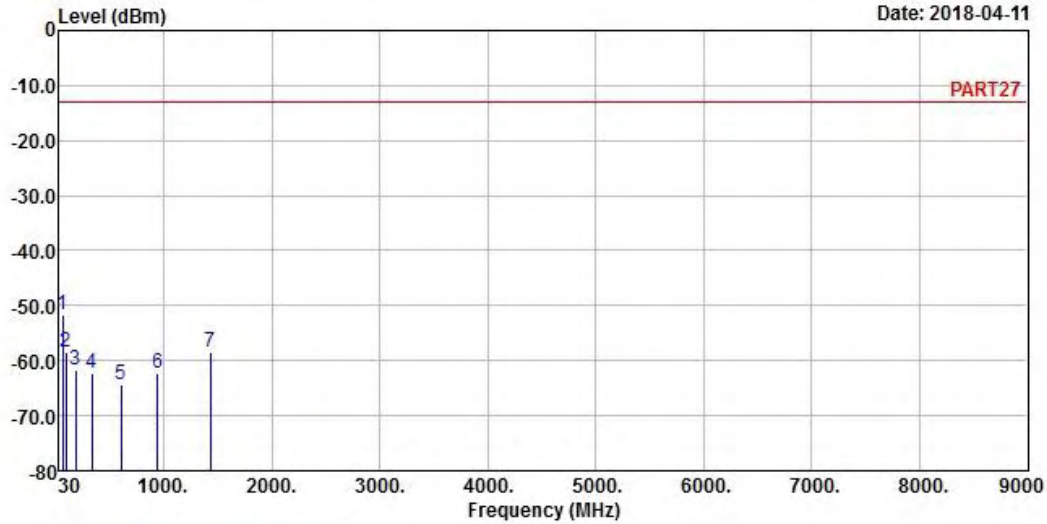


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-04-11



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 12 QPSK_1.4M Link_H-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	92.08	-58.58	-47.58	-13.00	-45.58	-11.00	Peak
3	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
4	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
5	605.21	-64.36	-63.59	-13.00	-51.36	-0.77	Peak
6	941.80	-62.39	-64.00	-13.00	-49.39	1.61	Peak
7	1430.60	-58.46	-46.15	-13.00	-45.46	-12.31	Peak

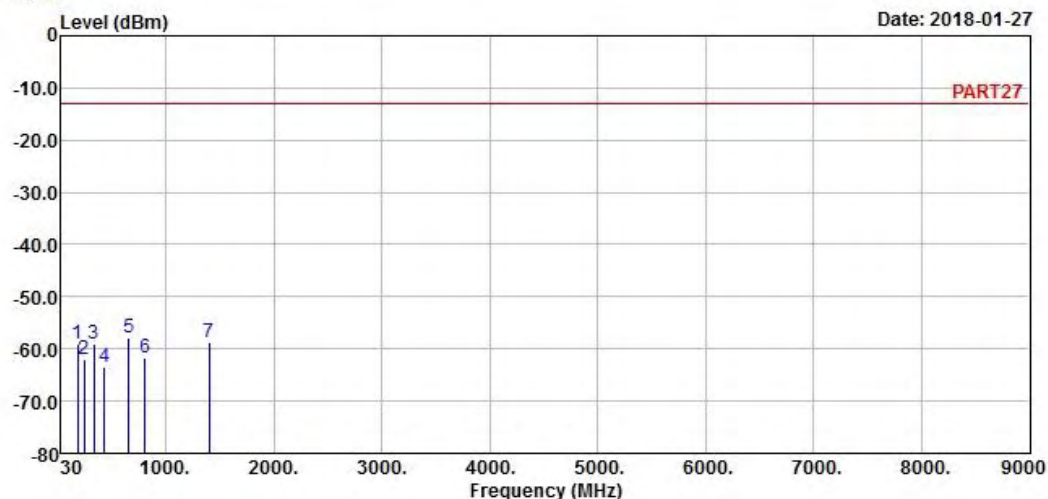
TE Band 12
Channel Bandwidth: 3 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_3M Link_L-CH
Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
2	242.43	-61.89	-55.58	-13.00	-48.89	-6.31	Peak
3	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
4	428.67	-63.43	-57.71	-13.00	-50.43	-5.72	Peak
5 pp	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
6	808.91	-61.61	-62.27	-13.00	-48.61	0.66	Peak
7	1401.00	-58.63	-46.72	-13.00	-45.63	-11.91	Peak

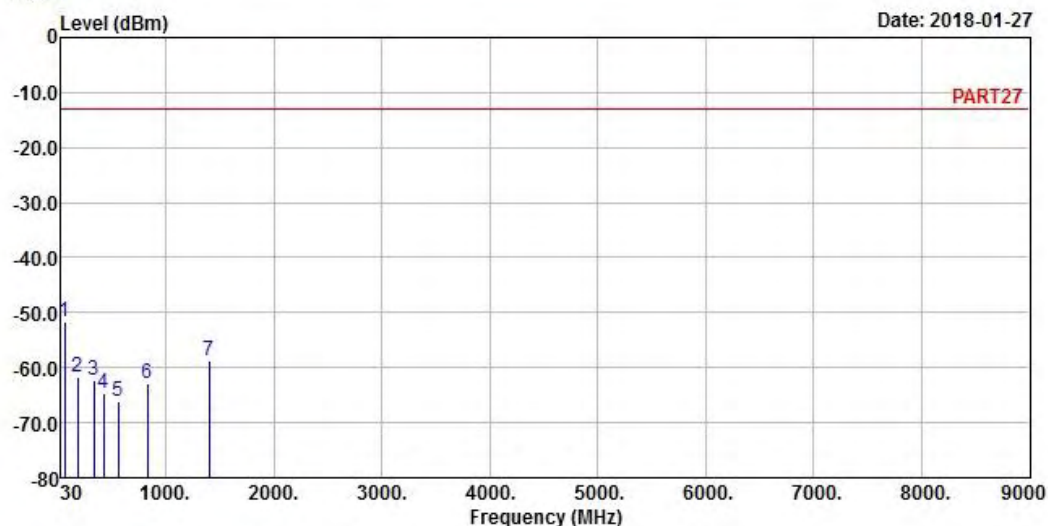


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_3M Link_L-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
3	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
4	422.85	-64.55	-58.79	-13.00	-51.55	-5.76	Peak
5	558.65	-66.19	-63.70	-13.00	-53.19	-2.49	Peak
6	830.25	-63.00	-63.47	-13.00	-50.00	0.47	Peak
7	1401.00	-58.69	-46.78	-13.00	-45.69	-11.91	Peak

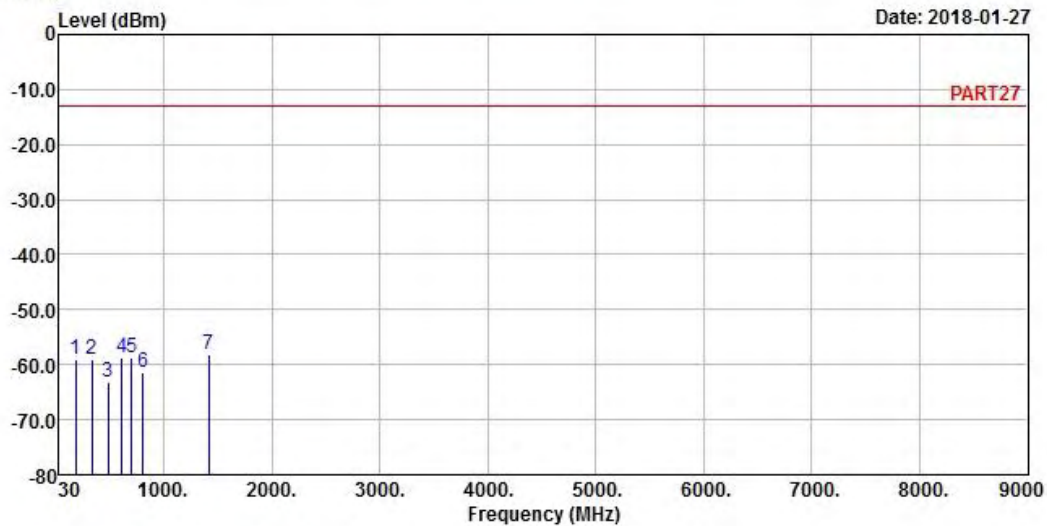
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5

Condition: PART27 HORIZONTAL

Remak : LTE Band 12 QPSK_3M Link_M-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
2	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
3	481.05	-63.22	-58.25	-13.00	-50.22	-4.97	Peak
4	608.12	-58.68	-57.91	-13.00	-45.68	-0.77	Peak
5	703.18	-58.87	-58.83	-13.00	-45.87	-0.04	Peak
6	805.03	-61.41	-62.10	-13.00	-48.41	0.69	Peak
7 pp	1415.00	-58.25	-46.17	-13.00	-45.25	-12.08	Peak

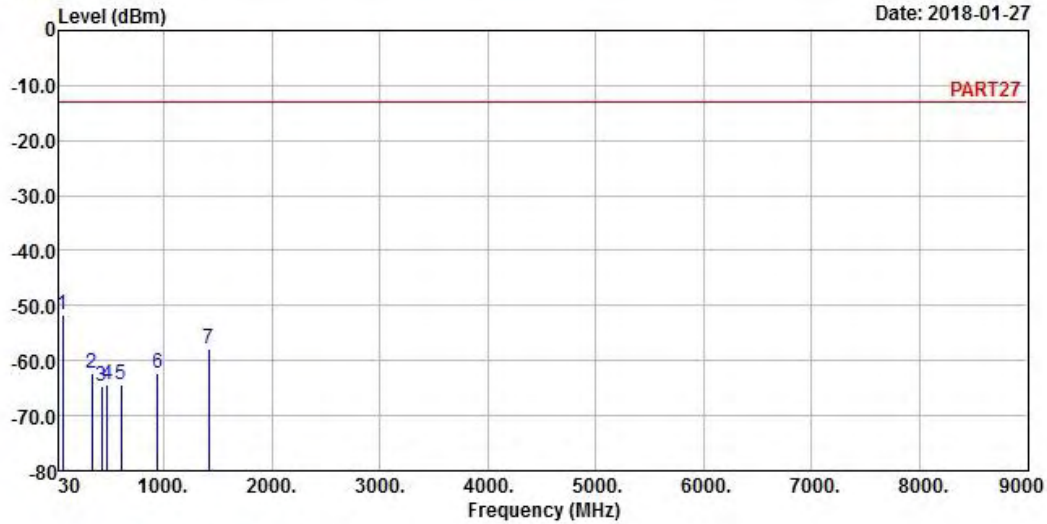


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_3M Link_M-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
3	422.85	-64.55	-58.79	-13.00	-51.55	-5.76	Peak
4	479.11	-64.42	-59.41	-13.00	-51.42	-5.01	Peak
5	605.21	-64.36	-63.59	-13.00	-51.36	-0.77	Peak
6	941.80	-62.39	-64.00	-13.00	-49.39	1.61	Peak
7	1415.00	-57.96	-45.88	-13.00	-44.96	-12.08	Peak

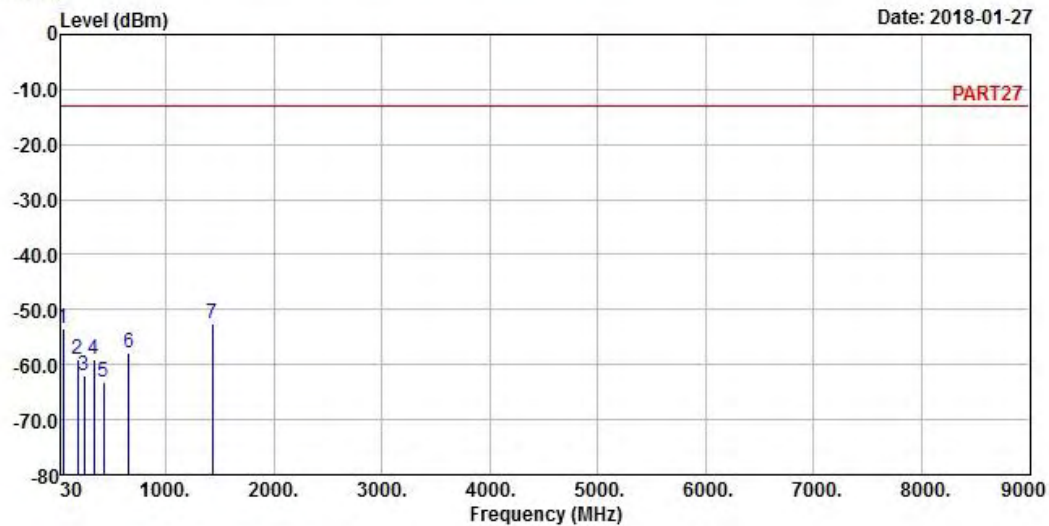
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_3M Link_H-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	43.58	-53.52	-52.05	-13.00	-40.52	-1.47	Peak
2	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
3	242.43	-61.89	-55.58	-13.00	-48.89	-6.31	Peak
4	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
5	422.85	-63.06	-57.30	-13.00	-50.06	-5.76	Peak
6	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
7 pp	1429.00	-52.52	-40.27	-13.00	-39.52	-12.25	Peak

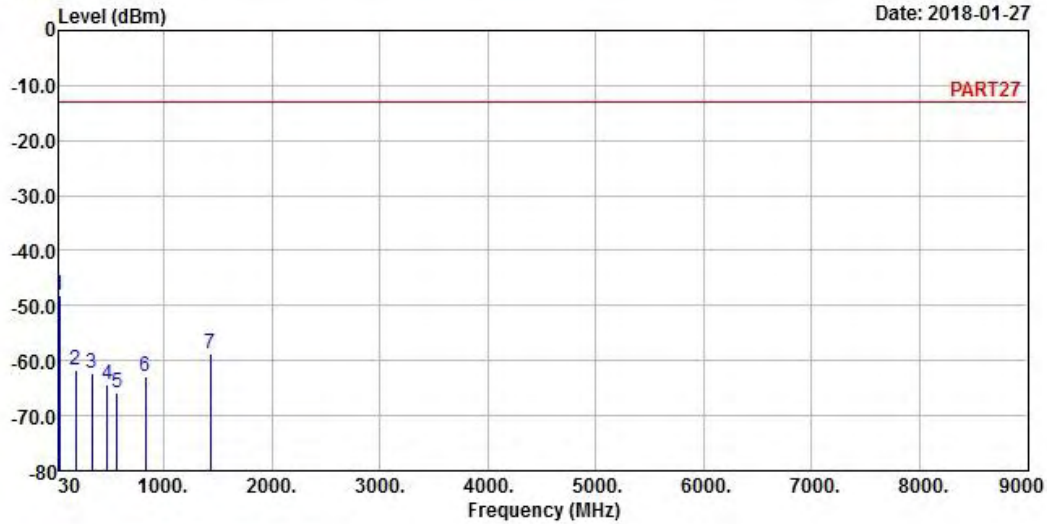


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_3M Link_H-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	31.94	-48.02	-47.42	-13.00	-35.02	-0.60	Peak
2	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
3	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
4	479.11	-64.42	-59.41	-13.00	-51.42	-5.01	Peak
5	569.32	-65.94	-63.90	-13.00	-52.94	-2.04	Peak
6	830.25	-63.00	-63.47	-13.00	-50.00	0.47	Peak
7	1429.00	-58.69	-46.44	-13.00	-45.69	-12.25	Peak

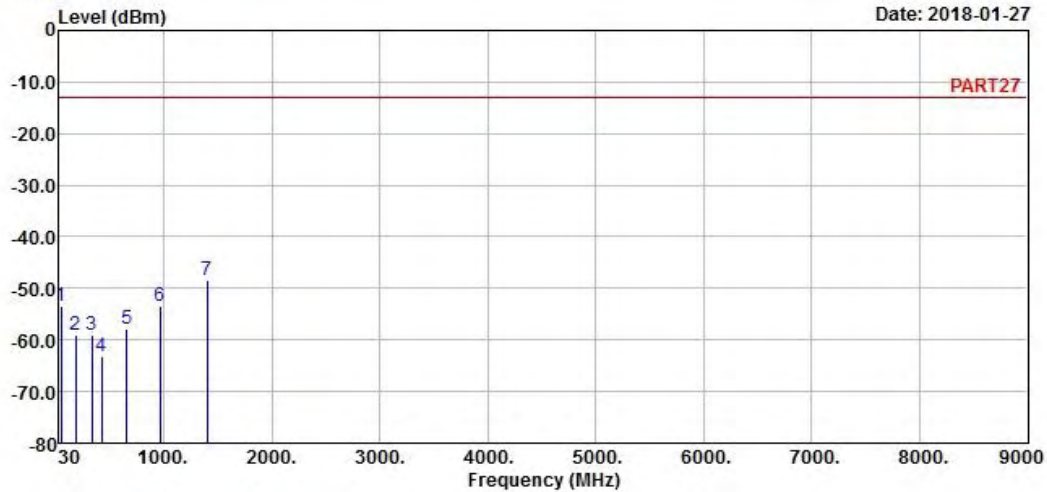
TE Band 12
Channel Bandwidth: 5 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_5M Link_L-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	43.58	-53.52	-52.05	-13.00	-40.52	-1.47	Peak
2	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
3	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
4	422.85	-63.06	-57.30	-13.00	-50.06	-5.76	Peak
5	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
6	961.20	-53.53	-55.74	-13.00	-40.53	2.21	Peak
7 pp	1403.00	-48.41	-33.97	-13.00	-35.41	-14.44	Peak

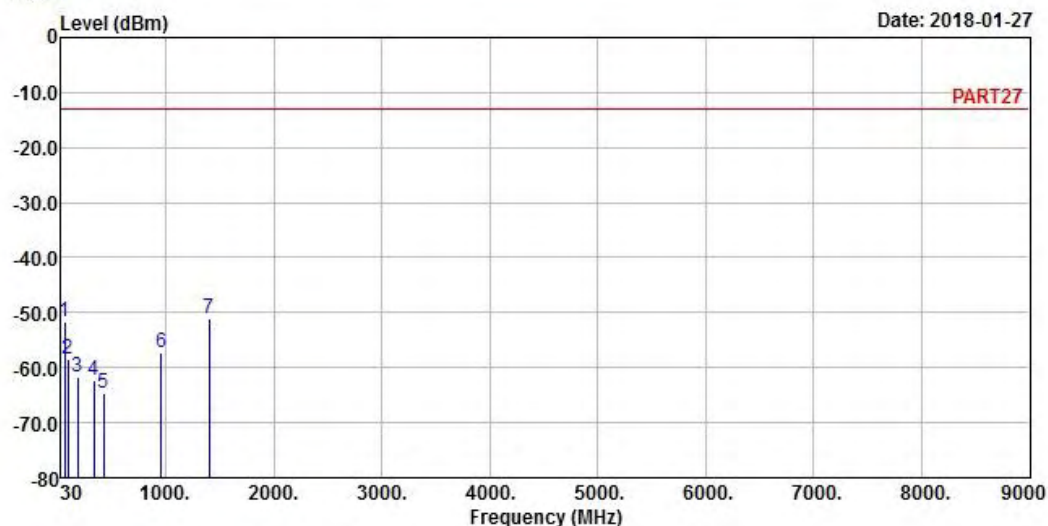


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_5M Link_L-CH

Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	92.08	-58.58	-47.58	-13.00	-45.58	-11.00	Peak
3	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
4	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
5	422.85	-64.55	-58.79	-13.00	-51.55	-5.76	Peak
6	958.29	-57.16	-59.27	-13.00	-44.16	2.11	Peak
7 pp	1403.00	-51.19	-36.75	-13.00	-38.19	-14.44	Peak

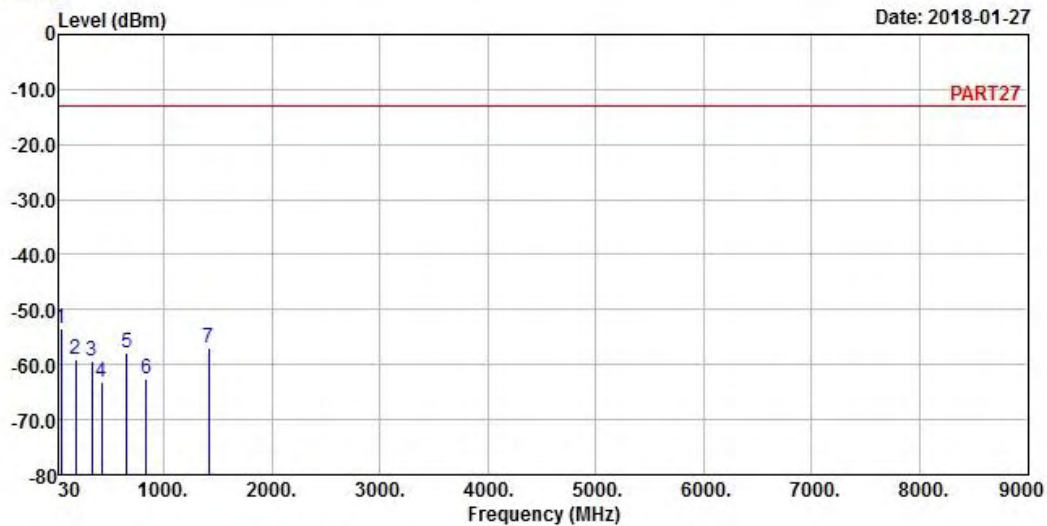
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_5M Link_M-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	43.58	-53.52	-52.05	-13.00	-40.52	-1.47	Peak
2	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
3	332.64	-59.40	-52.89	-13.00	-46.40	-6.51	Peak
4	422.85	-63.06	-57.30	-13.00	-50.06	-5.76	Peak
5	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
6	835.10	-62.60	-63.02	-13.00	-49.60	0.42	Peak
7	1415.00	-56.89	-42.55	-13.00	-43.89	-14.34	Peak

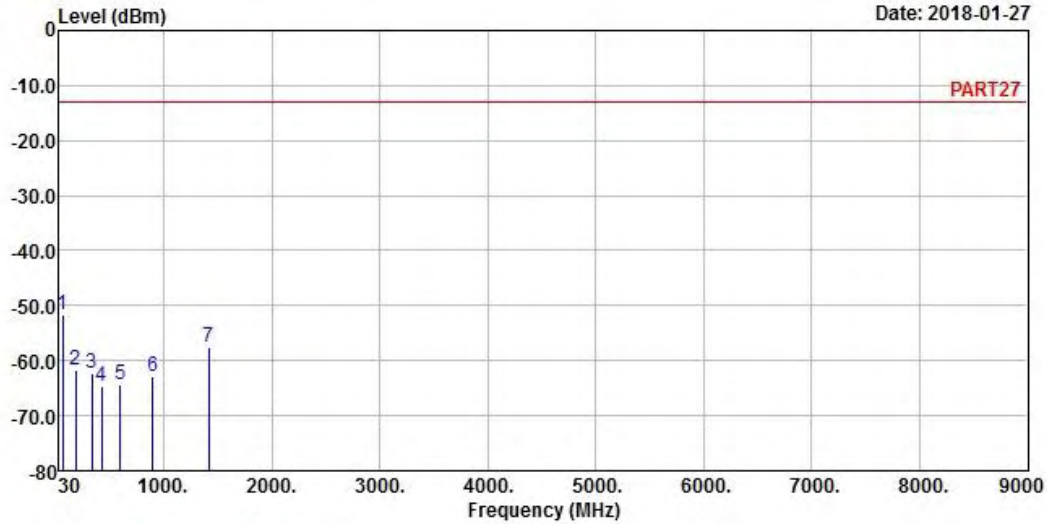


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_5M Link_M-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
3	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
4	422.85	-64.55	-58.79	-13.00	-51.55	-5.76	Peak
5	597.45	-64.48	-63.61	-13.00	-51.48	-0.87	Peak
6	897.18	-62.92	-63.47	-13.00	-49.92	0.55	Peak
7	1415.00	-57.55	-43.21	-13.00	-44.55	-14.34	Peak

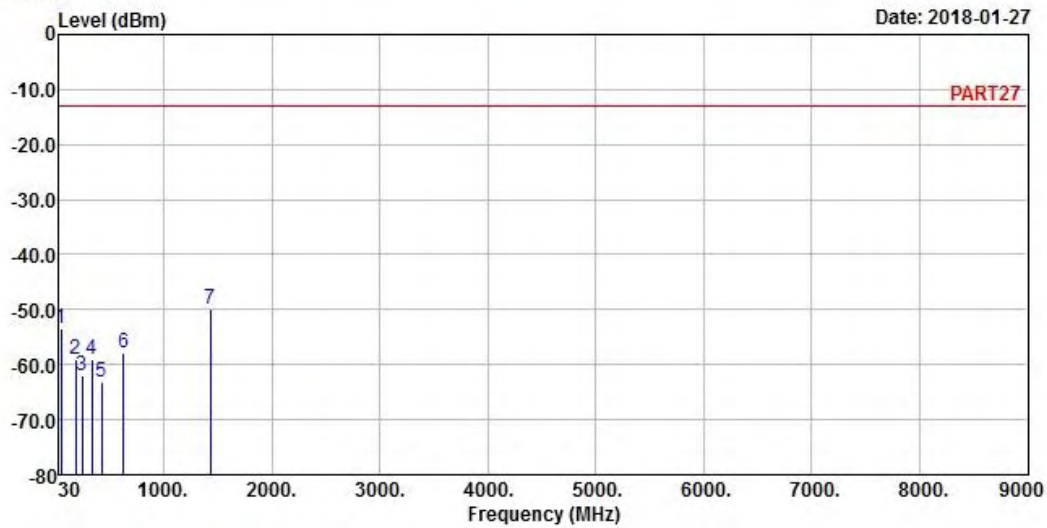
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_5M Link_H-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	43.58	-53.52	-52.05	-13.00	-40.52	-1.47	Peak
2	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
3	242.43	-61.89	-55.58	-13.00	-48.89	-6.31	Peak
4	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
5	422.85	-63.06	-57.30	-13.00	-50.06	-5.76	Peak
6	625.58	-57.91	-57.09	-13.00	-44.91	-0.82	Peak
7 pp	1427.00	-49.88	-35.64	-13.00	-36.88	-14.24	Peak

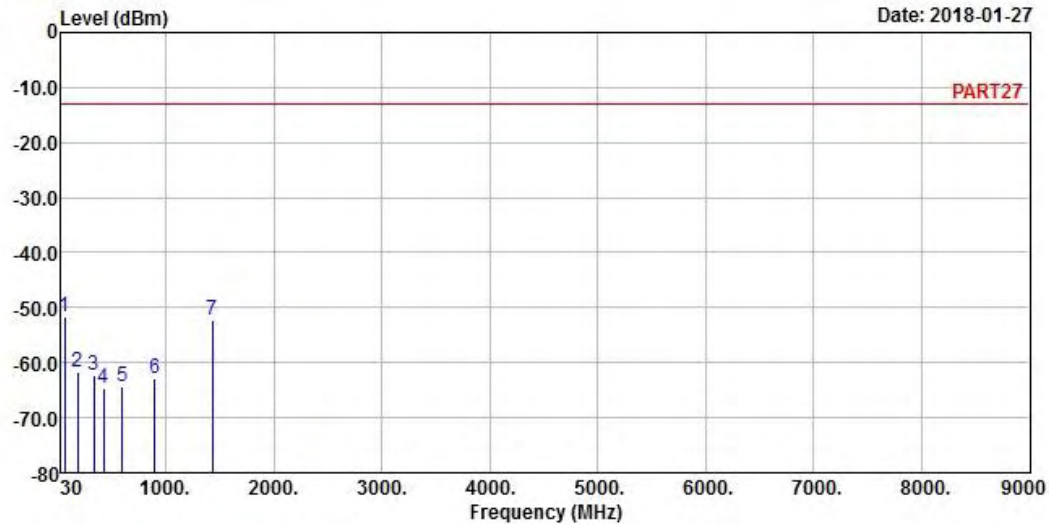


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_5M Link_H-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
3	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
4	422.85	-64.55	-58.79	-13.00	-51.55	-5.76	Peak
5	597.45	-64.48	-63.61	-13.00	-51.48	-0.87	Peak
6	897.18	-62.92	-63.47	-13.00	-49.92	0.55	Peak
7	1427.00	-52.24	-38.00	-13.00	-39.24	-14.24	Peak

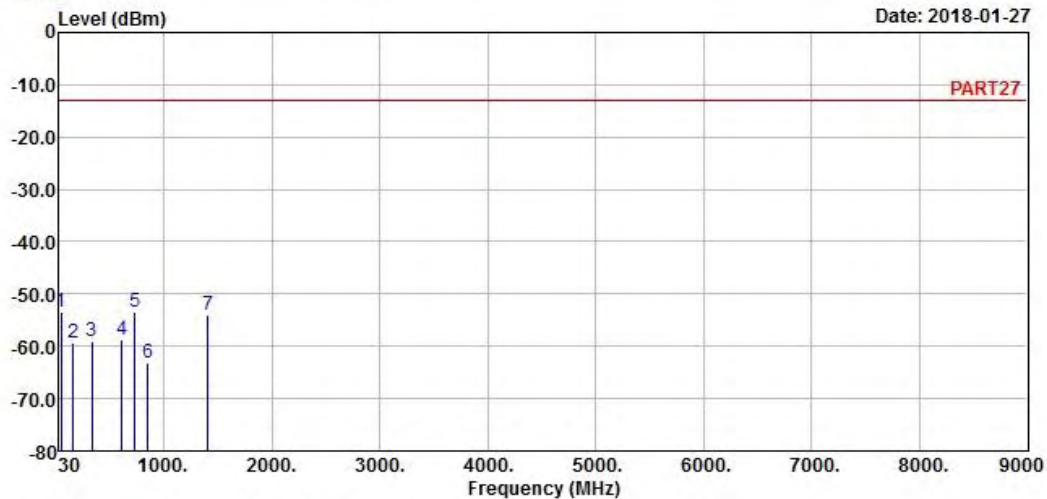
LTE Band 12
Channel Bandwidth: 10 MHz / QPSK
Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_10M Link_L-CH
Tested by: Getaz Yang

	Freq	Level	Read	Limit	Over		
	MHz	dBm	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	43.58	-53.52	-52.05	-13.00	-40.52	-1.47	Peak
2	162.89	-59.35	-54.30	-13.00	-46.35	-5.05	Peak
3	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
4	608.12	-58.68	-57.91	-13.00	-45.68	-0.77	Peak
5 pp	730.34	-53.32	-53.82	-13.00	-40.32	0.50	Peak
6	853.53	-63.09	-63.40	-13.00	-50.09	0.31	Peak
7	1408.00	-53.88	-39.54	-13.00	-40.88	-14.34	Peak

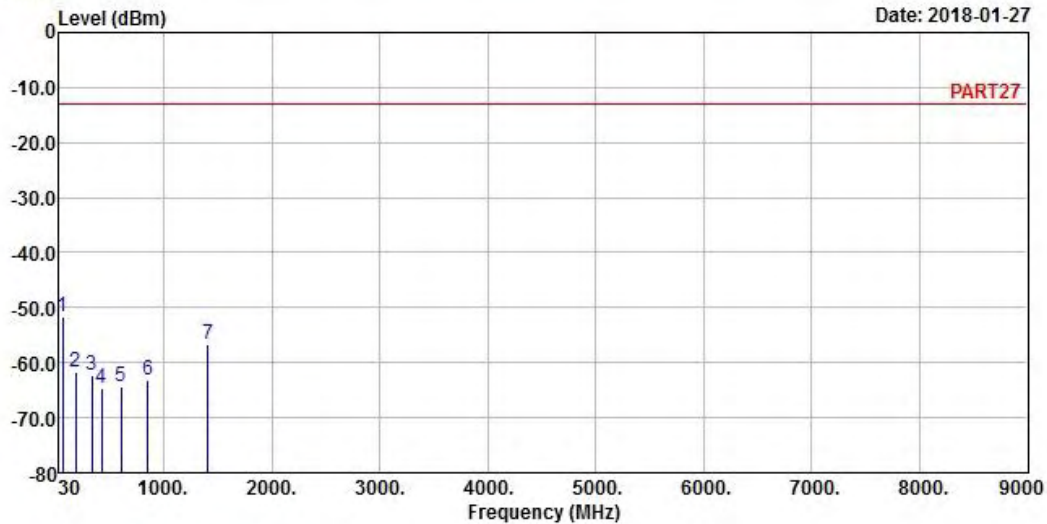


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_10M Link_L-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
3	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
4	422.85	-64.55	-58.79	-13.00	-51.55	-5.76	Peak
5	605.21	-64.36	-63.59	-13.00	-51.36	-0.77	Peak
6	851.59	-63.24	-63.54	-13.00	-50.24	0.30	Peak
7	1408.00	-56.80	-42.46	-13.00	-43.80	-14.34	Peak

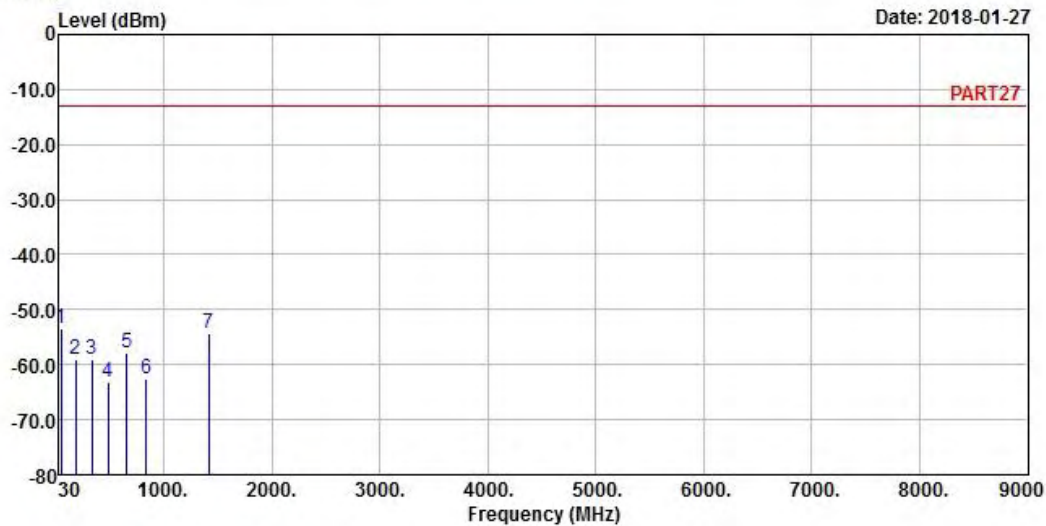
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_10M Link_M-CH
Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	43.58	-53.52	-52.05	-13.00	-40.52	-1.47	Peak
2	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
3	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
4	481.05	-63.22	-58.25	-13.00	-50.22	-4.97	Peak
5	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
6	835.10	-62.60	-63.02	-13.00	-49.60	0.42	Peak
7	1415.00	-54.20	-39.86	-13.00	-41.20	-14.34	Peak

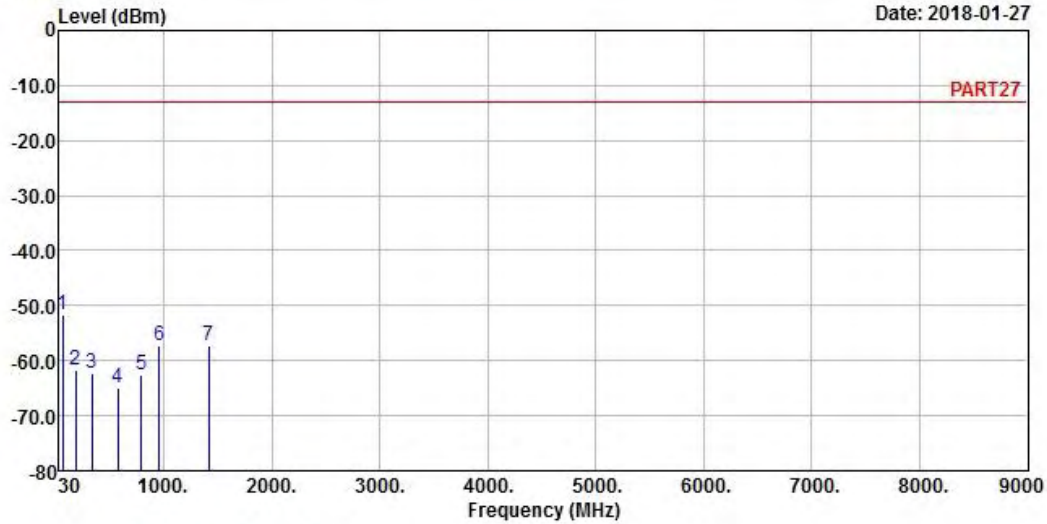


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 12 QPSK_10M Link_M-CH
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
3	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
4	575.14	-65.02	-63.22	-13.00	-52.02	-1.80	Peak
5	793.39	-62.46	-63.21	-13.00	-49.46	0.75	Peak
6	958.29	-57.16	-59.27	-13.00	-44.16	2.11	Peak
7	1415.00	-57.22	-42.88	-13.00	-44.22	-14.34	Peak

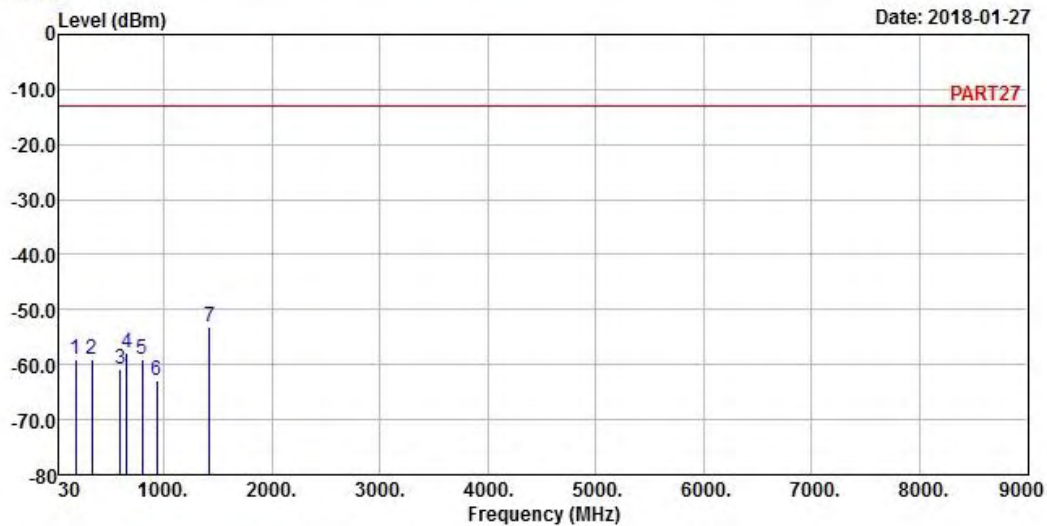
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 Chamber 5
 Condition: PART27 HORIZONTAL
 Remak : LTE Band 12 QPSK_10M Link_H-CH
 Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	182.29	-58.97	-51.63	-13.00	-45.97	-7.34	Peak
2	333.61	-59.11	-52.62	-13.00	-46.11	-6.49	Peak
3	597.45	-60.67	-59.80	-13.00	-47.67	-0.87	Peak
4	652.74	-57.84	-57.00	-13.00	-44.84	-0.84	Peak
5	798.24	-58.94	-59.68	-13.00	-45.94	0.74	Peak
6	931.13	-62.83	-64.17	-13.00	-49.83	1.34	Peak
7 pp	1422.00	-53.20	-38.86	-13.00	-40.20	-14.34	Peak

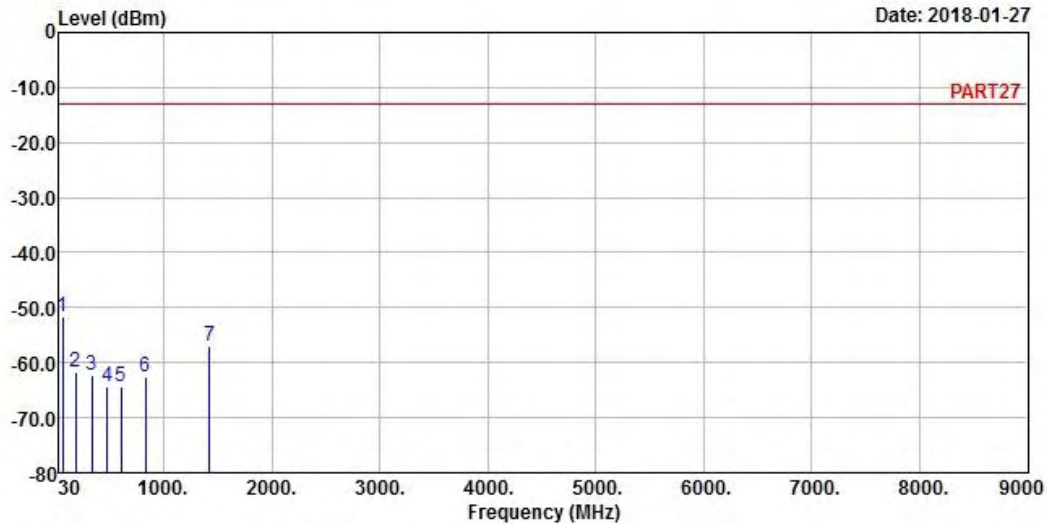


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-01-27



Site : 966 Chamber 5

Condition: PART27 VERTICAL

Remak : LTE Band 12 QPSK_10M Link_H-CH

Tested by: Getaz Yang

			Read	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	62.01	-51.64	-43.83	-13.00	-38.64	-7.81	Peak
2	182.29	-61.56	-54.22	-13.00	-48.56	-7.34	Peak
3	333.61	-62.41	-55.92	-13.00	-49.41	-6.49	Peak
4	479.11	-64.42	-59.41	-13.00	-51.42	-5.01	Peak
5	605.21	-64.36	-63.59	-13.00	-51.36	-0.77	Peak
6	829.28	-62.62	-63.09	-13.00	-49.62	0.47	Peak
7	1422.00	-56.92	-42.58	-13.00	-43.92	-14.34	Peak

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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

Linko EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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