

4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

For WCDMA Band 4, LTE Band 4, 66

According to FCC 27.53(h) for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

For LTE Band 12, 71

According to FCC 27.53(g) for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log_{10}(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater.

4.8.2 Test Procedure

- a. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high channel of operational frequency range.)
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m 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 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution 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 b. Record the power level of S.G
- d. $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution antenna}$.

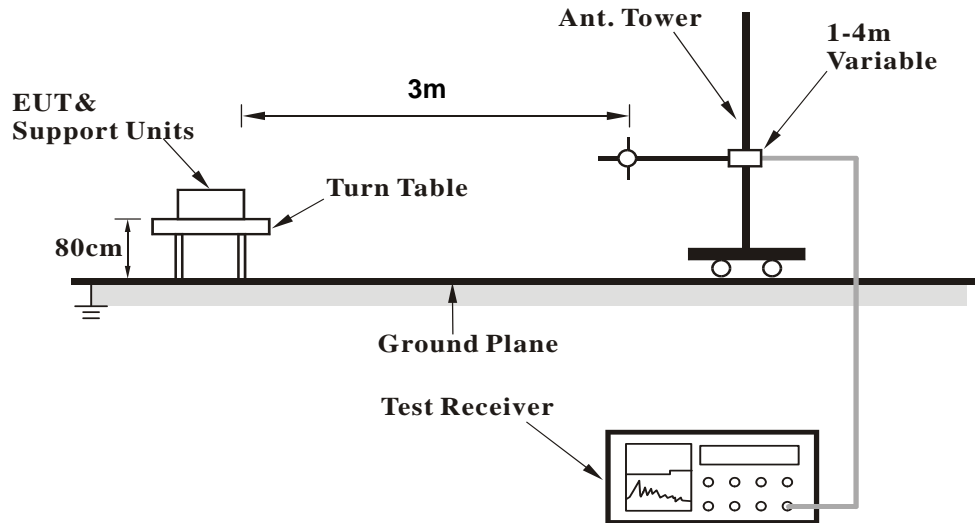
Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.8.3 Deviation from Test Standard

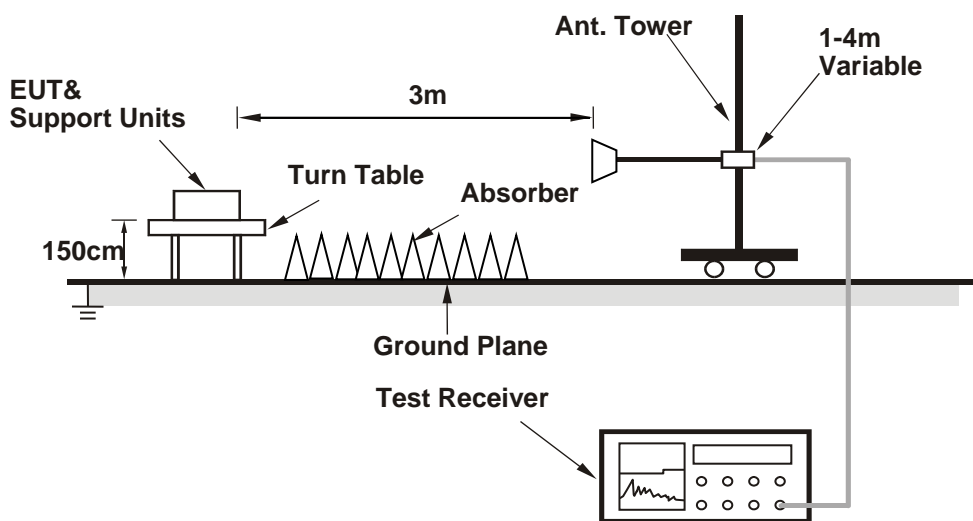
No deviation.

4.8.4 Test Setup

For Radiated Emission below or equal 1GHz



For Radiated Emission above 1GHz



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

4.8.5 Test Results

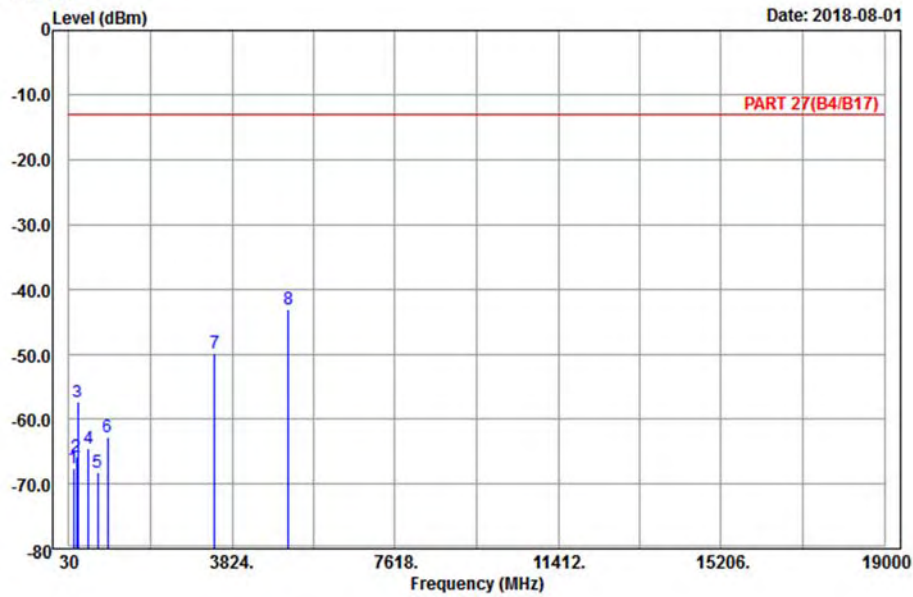
Mode	WCDMA Band 4	Channel	TX channel 1312 (1712.4MHz)
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A D T

Data: 13



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : Band IV_Link_CH1312
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	133.95	-67.61	-59.95	-13.00	-54.61	-7.66	Peak
2	194.97	-65.94	-59.98	-13.00	-52.94	-5.96	Peak
3	242.76	-57.34	-51.73	-13.00	-44.34	-5.61	Peak
4	477.80	-64.59	-59.94	-13.00	-51.59	-4.65	Peak
5	703.90	-68.24	-67.79	-13.00	-55.24	-0.45	Peak
6	937.00	-62.85	-67.39	-13.00	-49.85	4.54	Peak
7	3424.80	-49.74	-64.11	-13.00	-36.74	14.37	Peak
8 pp	5137.20	-42.93	-62.74	-13.00	-29.93	19.81	Peak

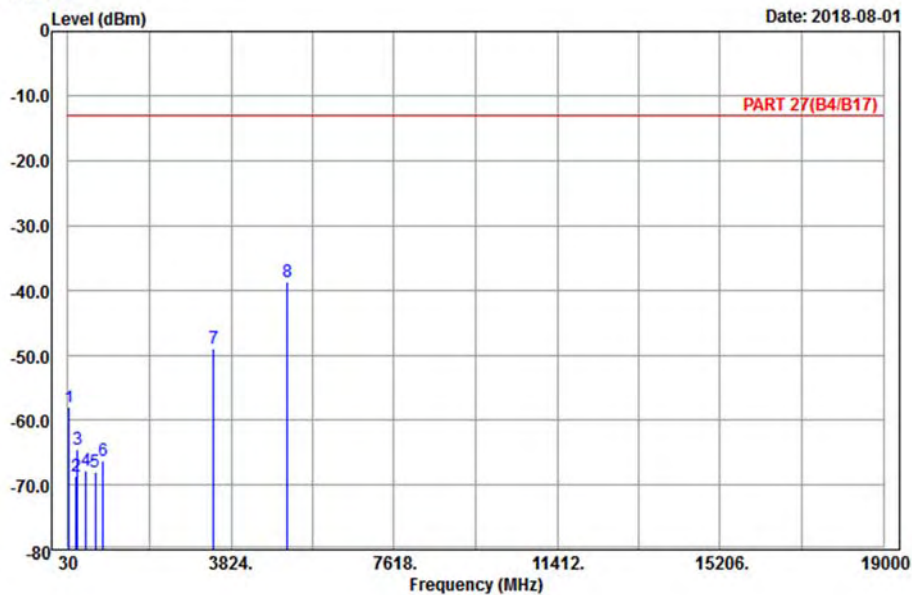
Mode	WCDMA Band 4	Channel	TX channel 1312 (1712.4MHz)
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Data: 14



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Vertical
 Remark : Band IV_Link_CH1312
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	49.71	-58.02	-44.28	-13.00	-45.02	-13.74	Peak
2	211.71	-68.69	-62.66	-13.00	-55.69	-6.03	Peak
3	248.16	-64.58	-59.05	-13.00	-51.58	-5.53	Peak
4	454.00	-67.84	-63.88	-13.00	-54.84	-3.96	Peak
5	667.50	-68.09	-67.87	-13.00	-55.09	-0.22	Peak
6	848.80	-66.24	-67.70	-13.00	-53.24	1.46	Peak
7	3424.80	-48.74	-63.11	-13.00	-35.74	14.37	Peak
8 pp	5137.20	-38.65	-58.46	-13.00	-25.65	19.81	Peak

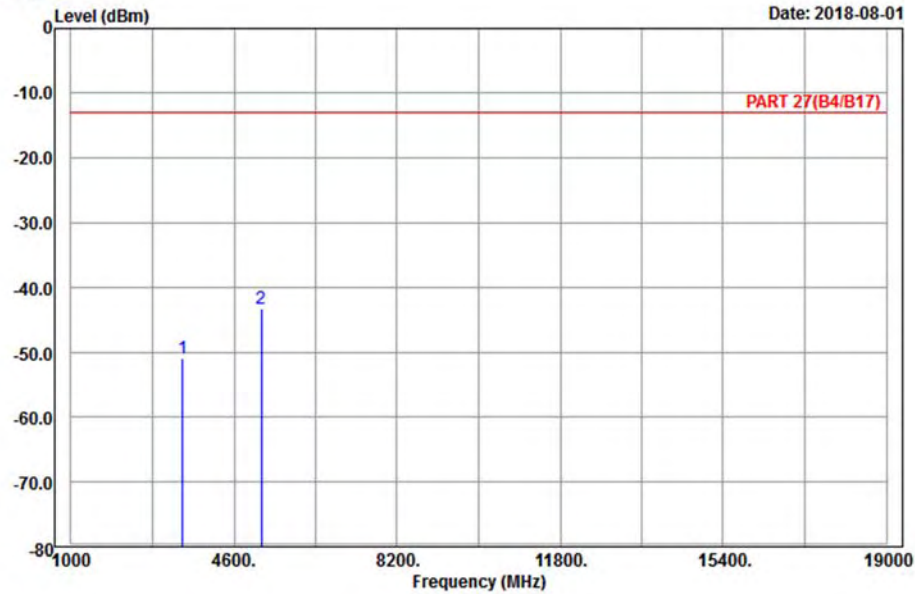
Mode	WCDMA Band 4	Channel	TX channel 1413 (1732.6MHz)
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Data: 9



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : Band IV_Link_CH1413
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3465.20	-50.79	-65.13	-13.00	-37.79	14.34	Peak
2 pp	5197.80	-43.11	-63.23	-13.00	-30.11	20.12	Peak

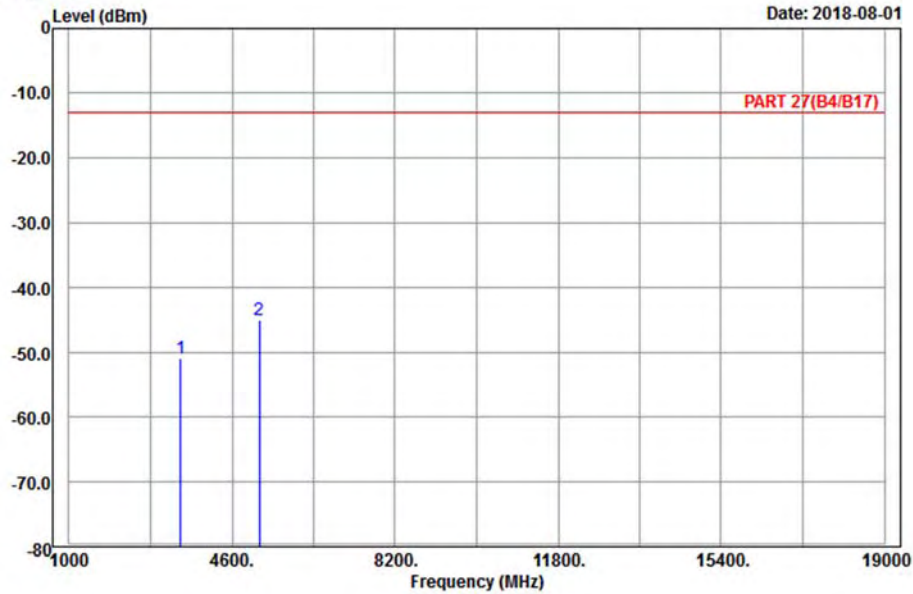
Mode	WCDMA Band 4	Channel	TX channel 1413 (1732.6MHz)
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Data: 10



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Vertical
 Remark : Band IV_Link_CH1413
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3465.20	-50.87	-65.21	-13.00	-37.87	14.34	Peak
2 pp	5197.80	-44.88	-65.00	-13.00	-31.88	20.12	Peak

Mode	WCDMA Band 4	Channel	TX channel 1513 (1752.6MHz)
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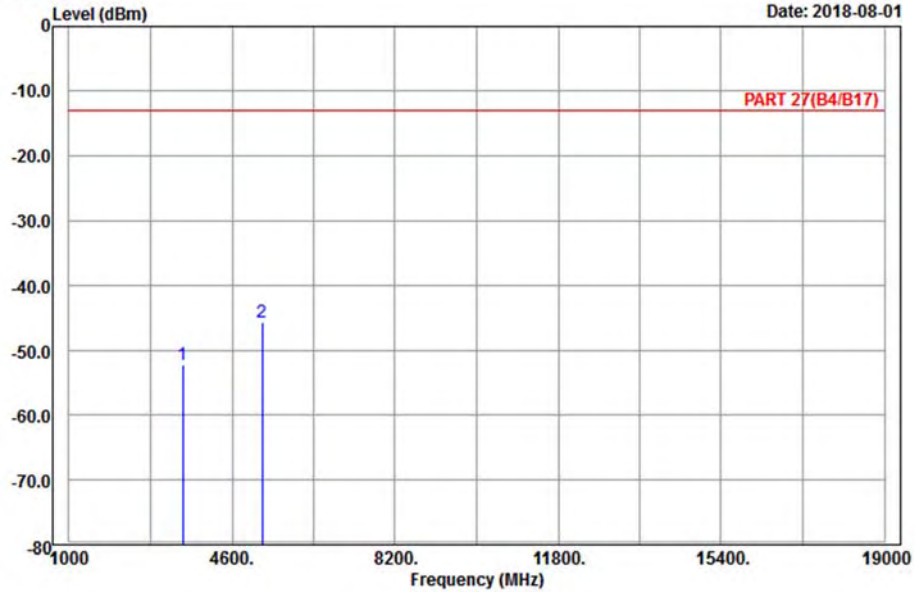


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Data: 9

Date: 2018-08-01



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : Band IV_Link_CH1513
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3505.20	-52.02	-66.30	-13.00	-39.02	14.28	Peak
2 pp	5257.80	-45.60	-65.80	-13.00	-32.60	20.20	Peak

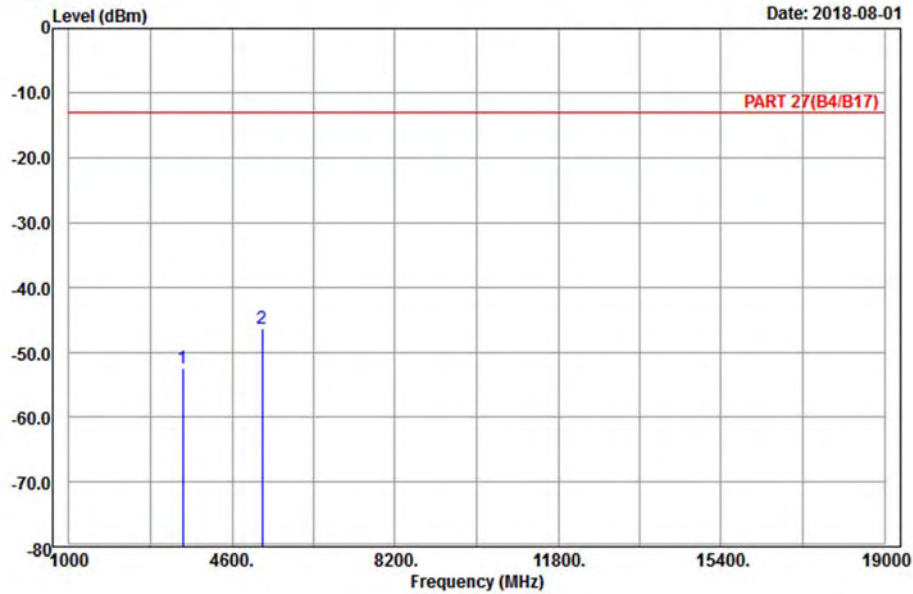
Mode	WCDMA Band 4	Channel	TX channel 1513 (1752.6MHz)
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Data: 10



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Vertical
 Remark : Band IV_Link_CH1513
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3505.20	-52.25	-66.53	-13.00	-39.25	14.28	Peak
2 pp	5257.80	-46.23	-66.43	-13.00	-33.23	20.20	Peak

Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	TX channel 19957 (1710.7MHz)
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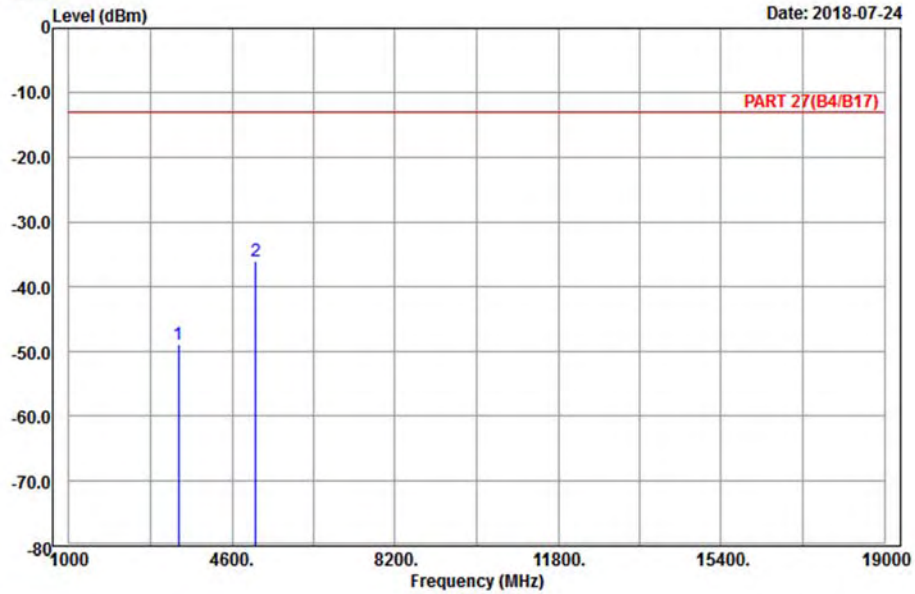


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Data: 9

Date: 2018-07-24



Site : 966 chamber 1
Condition: PART 27(B4/B17) Horizontal
Remark : LTE_Band 4_Link_CH19957
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3421.40	-48.84	-63.21	-13.00	-35.84	14.37 Peak
2 pp	5132.10	-36.05	-55.86	-13.00	-23.05	19.81 Peak

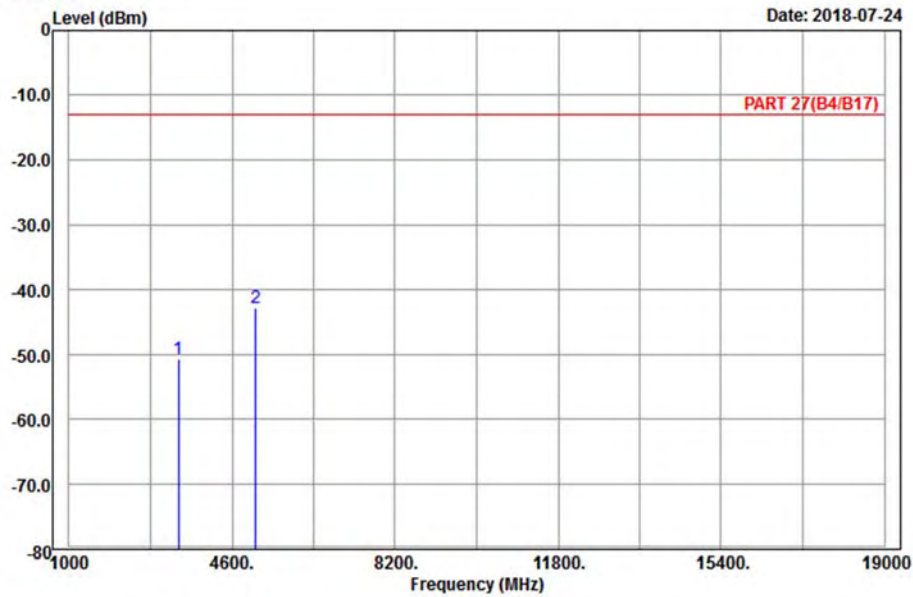
Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	TX channel 19957 (1710.7MHz)
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Data: 10



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Vertical
 Remark : LTE_Band 4_Link_CH19957
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3421.40	-50.65	-65.02	-13.00	-37.65	14.37 Peak
2 pp	5132.10	-42.65	-62.46	-13.00	-29.65	19.81 Peak

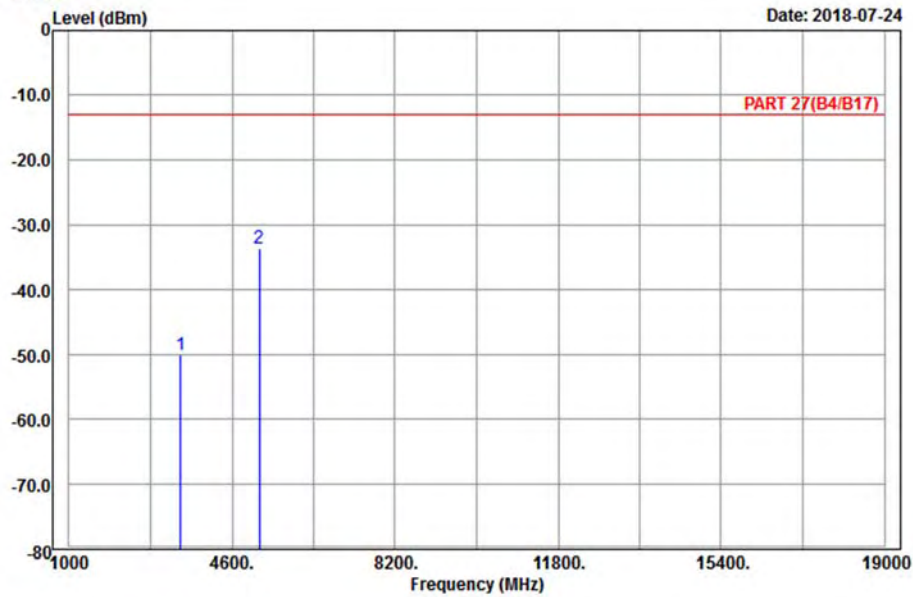
Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	TX channel 20175 (1732.5MHz)
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Data: 9



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : LTE_Band 4_Link_CH20175
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3465.00	-49.86	-64.20	-13.00	-36.86	14.34 Peak
2 pp	5197.50	-33.62	-53.74	-13.00	-20.62	20.12 Peak

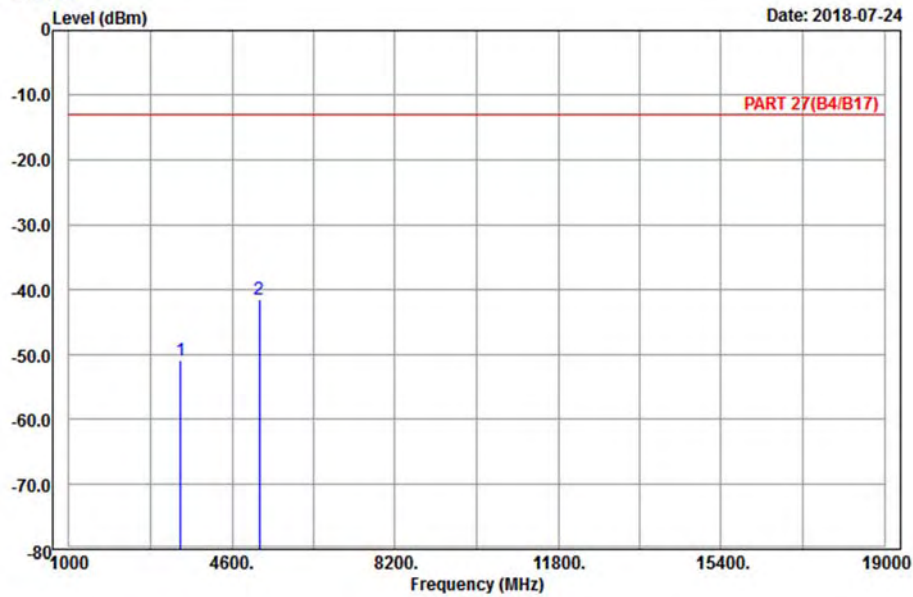
Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	TX channel 20175 (1732.5MHz)
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Data: 10



Site : 966 chamber 1
Condition: PART 27(B4/B17) Vertical
Remark : LTE_Band 4_Link_CH20175
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3465.00	-50.84	-65.18	-13.00	-37.84	14.34 Peak
2 pp	5197.50	-41.43	-61.55	-13.00	-28.43	20.12 Peak

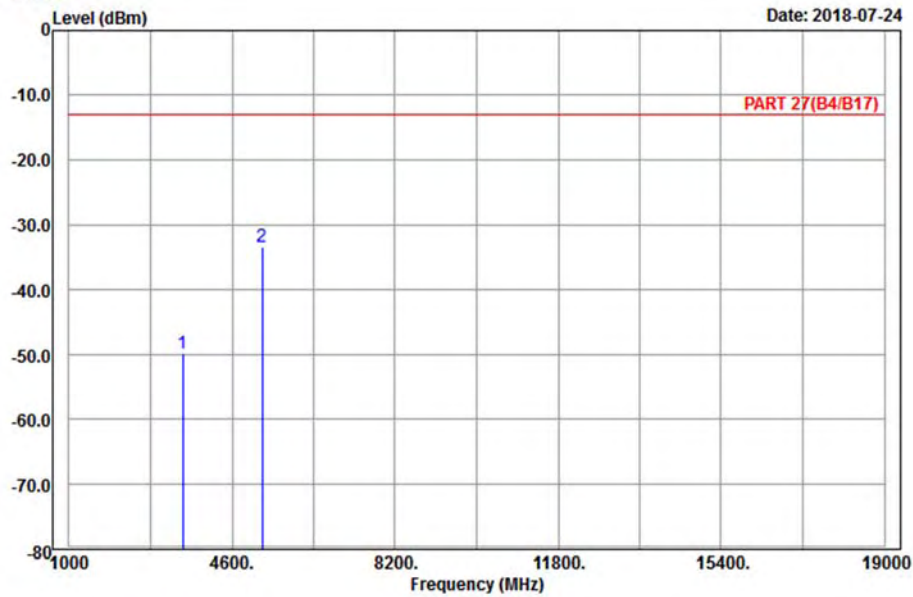
Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	TX channel 20393 (1754.3MHz)
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Data: 9



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : LTE_Band 4_Link_CH20393
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3508.60	-49.76	-64.04	-13.00	-36.76	14.28 Peak
2 pp	5262.90	-33.32	-53.52	-13.00	-20.32	20.20 Peak

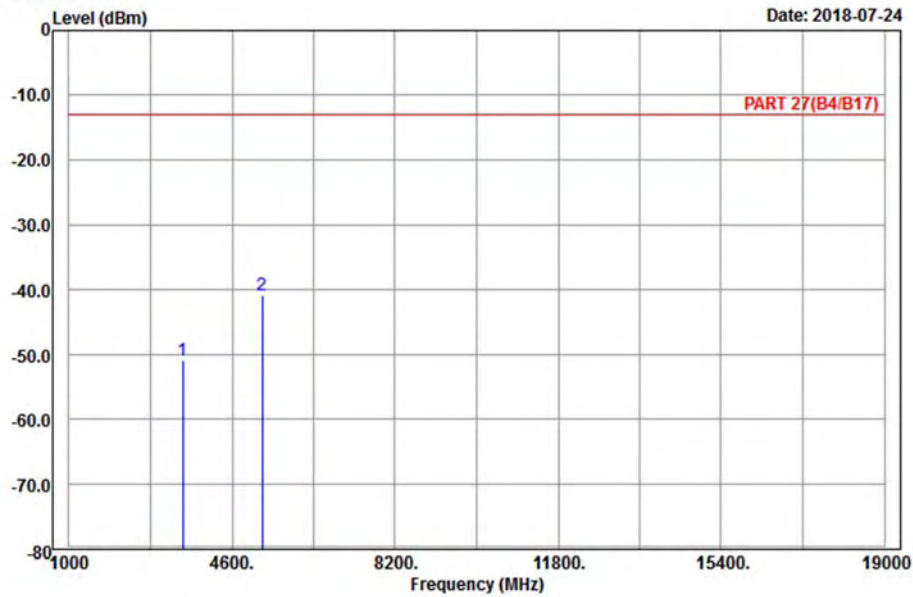
Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	TX channel 20393 (1754.3MHz)
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Data: 10



Site : 966 chamber 1
Condition: PART 27(B4/B17) Vertical
Remark : LTE_Band 4_Link_CH20393
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3508.60	-50.70	-64.98	-13.00	-37.70	14.28 Peak
2 pp	5262.90	-40.85	-61.05	-13.00	-27.85	20.20 Peak

Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	TX channel 19975 (1712.5MHz)
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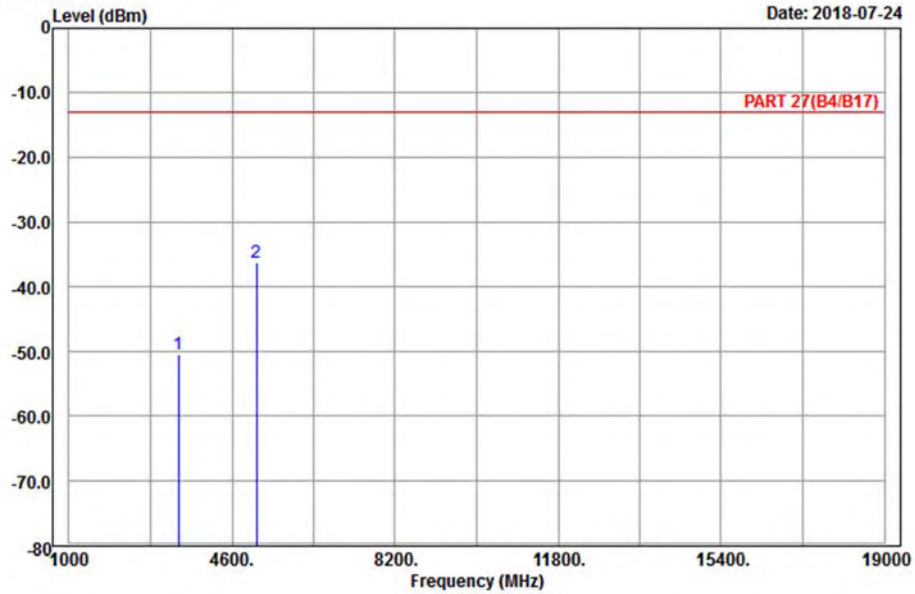


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Data: 9

Date: 2018-07-24



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : LTE_Band 4_Link_CH19975
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3425.00	-50.31	-64.68	-13.00	-37.31	14.37 Peak
2 pp	5137.50	-36.29	-56.10	-13.00	-23.29	19.81 Peak

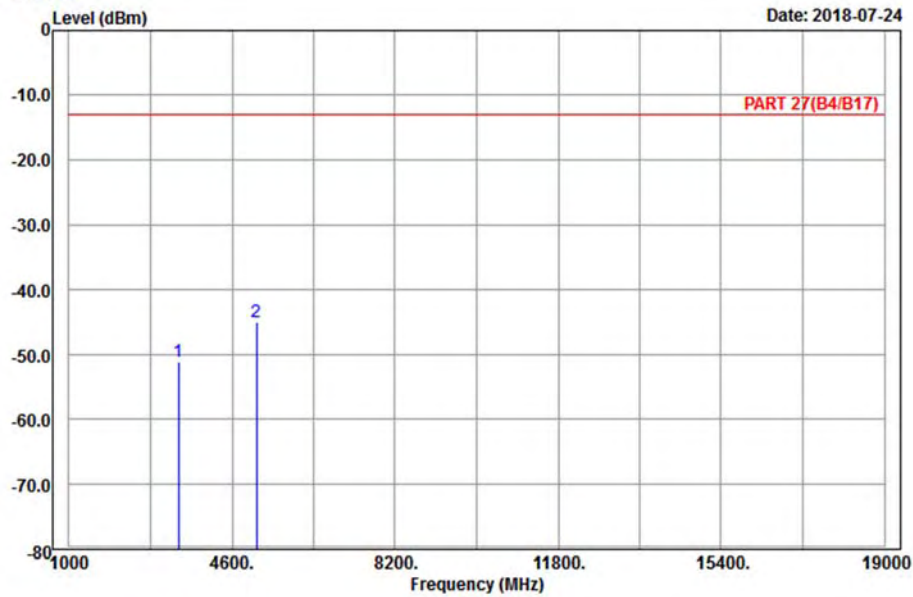
Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	TX channel 19975 (1712.5MHz)
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A D T

Data: 10



Site : 966 chamber 1
Condition: PART 27(B4/B17) Vertical
Remark : LTE_Band 4_Link_CH19975
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3425.00	-51.02	-65.39	-13.00	-38.02	14.37 Peak
2 pp	5137.50	-44.97	-64.78	-13.00	-31.97	19.81 Peak

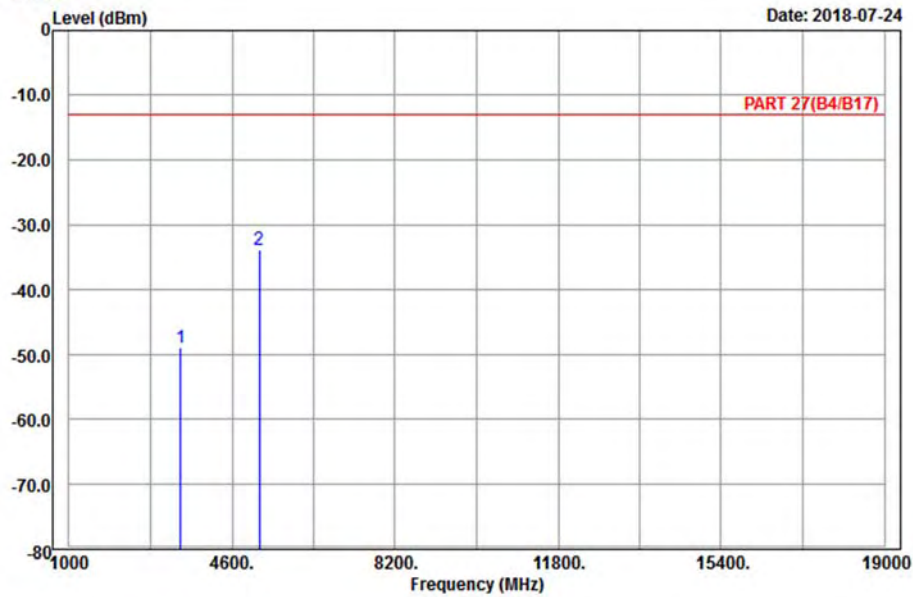
Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	TX channel 20175 (1732.5MHz)
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A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : LTE_Band 4_Link_CH20175
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3465.00	-48.85	-63.19	-13.00	-35.85	14.34 Peak
2 pp	5197.50	-33.75	-53.87	-13.00	-20.75	20.12 Peak

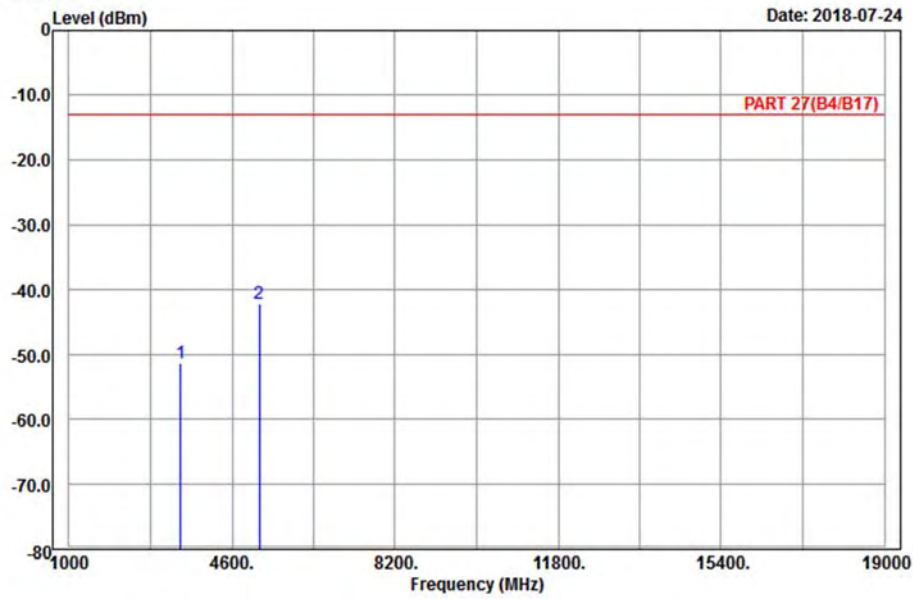
Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	TX channel 20175 (1732.5MHz)
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Data: 10



Site : 966 chamber 1
Condition: PART 27(B4/B17) Vertical
Remark : LTE_Band 4_Link_CH20175
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3465.00	-51.29	-65.63	-13.00	-38.29	14.34 Peak
2 pp	5197.50	-42.06	-62.18	-13.00	-29.06	20.12 Peak

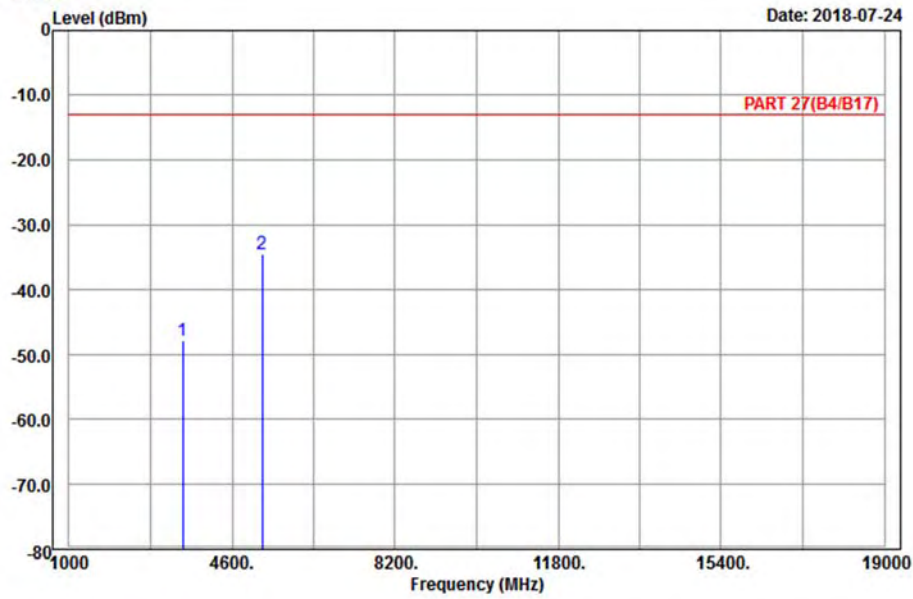
Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	TX channel 20375 (1752.5MHz)
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Data: 9



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : LTE_Band 4_Link_CH20375
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3505.00	-47.84	-62.12	-13.00	-34.84	14.28 Peak
2 pp	5257.50	-34.33	-54.53	-13.00	-21.33	20.20 Peak

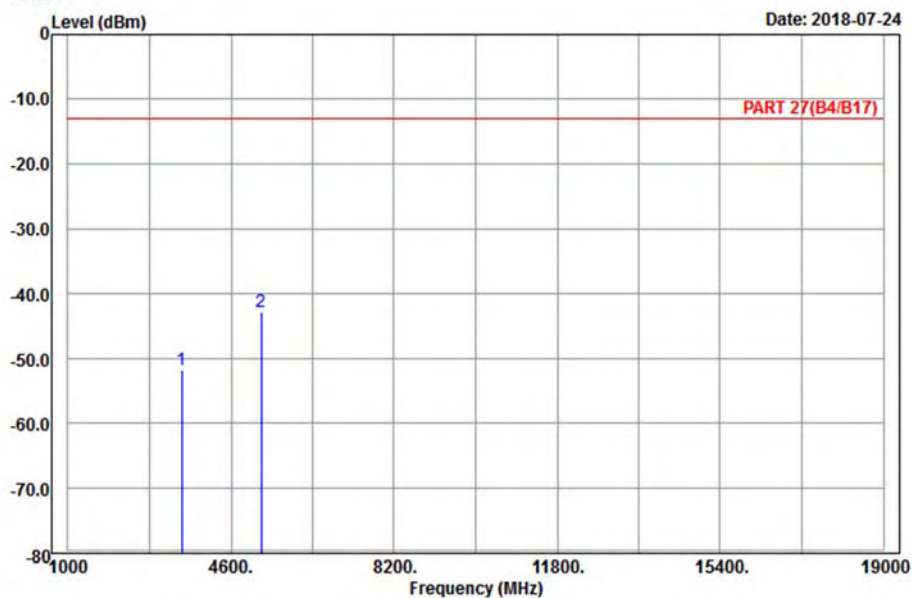
Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	TX channel 20375 (1752.5MHz)
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Data: 10



Site : 966 chamber 1
Condition: PART 27(B4/B17) Vertical
Remark : LTE_Band 4_Link_CH20375
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3505.00	-51.60	-65.88	-13.00	-38.60	14.28 Peak
2 pp	5257.50	-42.69	-62.89	-13.00	-29.69	20.20 Peak

Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	TX channel 20050 (1720.0MHz)
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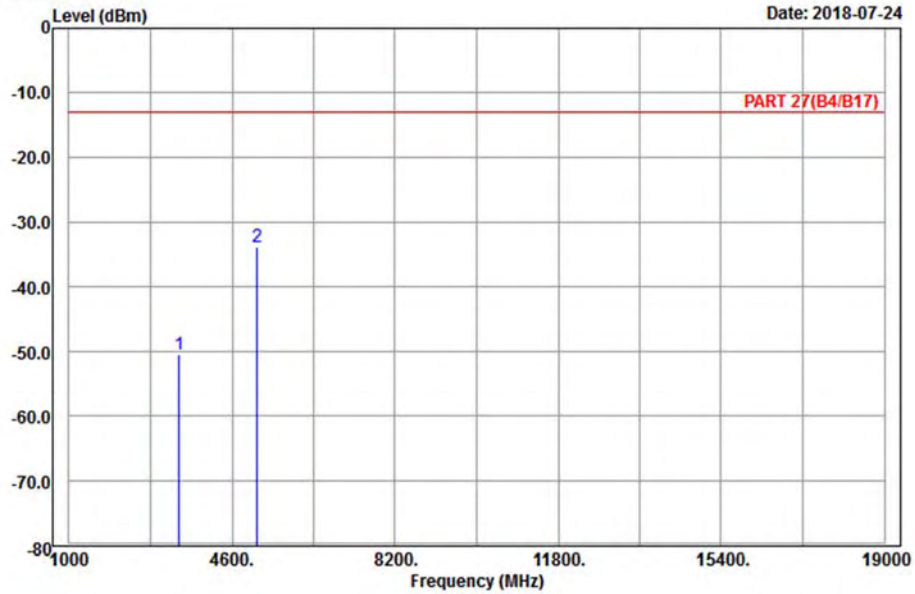


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A D T

Data: 9

Date: 2018-07-24



Site : 966 chamber 1
Condition: PART 27(B4/B17) Horizontal
Remark : LTE_Band 4_Link_CH20050
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3440.00	-50.42	-64.77	-13.00	-37.42	14.35 Peak
2 pp	5160.00	-33.88	-53.80	-13.00	-20.88	19.92 Peak

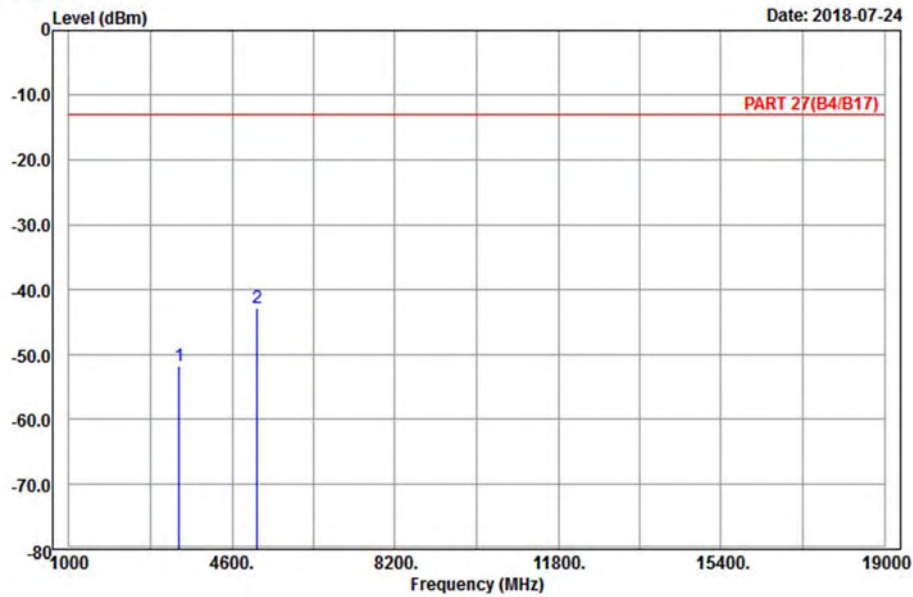
Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	TX channel 20050 (1720.0MHz)
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Data: 10



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Vertical
 Remark : LTE_Band 4_Link_CH20050
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3440.00	-51.63	-65.98	-13.00	-38.63	14.35 Peak
2 pp	5160.00	-42.66	-62.58	-13.00	-29.66	19.92 Peak

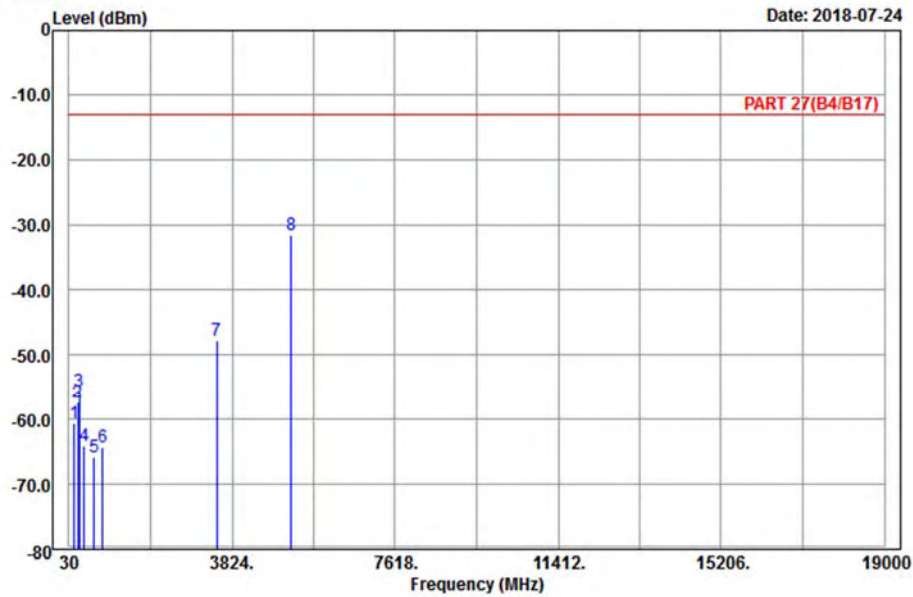
Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	TX channel 20175 (1732.5MHz)
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A D T

Data: 13



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : LTE_Band 4_Link_CH20175
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	159.33	-60.53	-52.83	-13.00	-47.53	-7.70 Peak
2	243.57	-57.32	-51.72	-13.00	-44.32	-5.60 Peak
3	263.28	-55.51	-49.89	-13.00	-42.51	-5.62 Peak
4	391.70	-64.03	-60.88	-13.00	-51.03	-3.15 Peak
5	623.40	-65.81	-65.97	-13.00	-52.81	0.16 Peak
6	806.10	-64.35	-66.29	-13.00	-51.35	1.94 Peak
7	3465.00	-47.66	-62.00	-13.00	-34.66	14.34 Peak
8 pp	5197.50	-31.60	-51.72	-13.00	-18.60	20.12 Peak

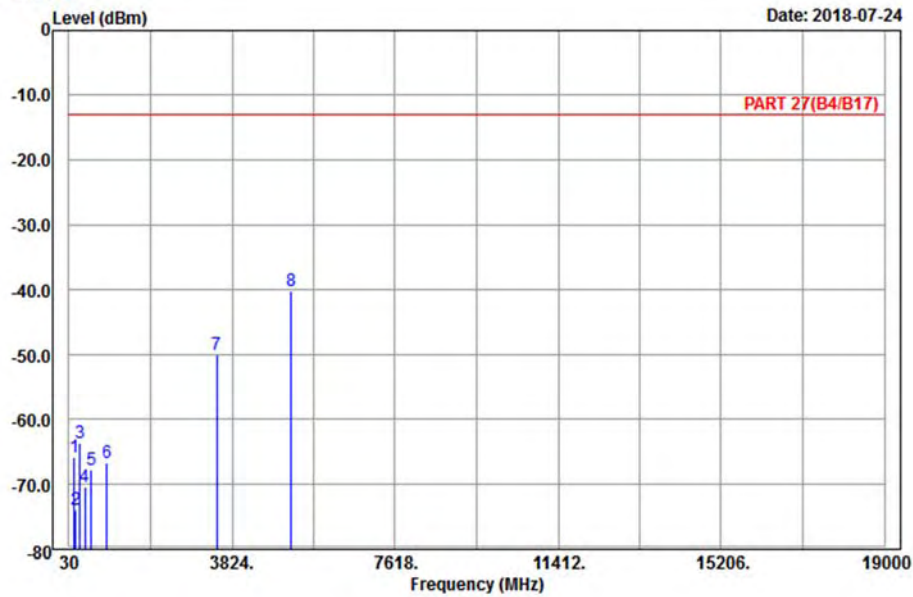
Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	TX channel 20175 (1732.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14



Site : 966 chamber 1
Condition: PART 27(B4/B17) Vertical
Remark : LTE_Band 4_Link_CH20175
Tested by: Karl Lee

	Read	Limit	Over				
	Freq	Level	Level	Line	Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	158.25	-65.86	-58.14	-13.00	-52.86	-7.72	Peak
2	182.01	-73.97	-68.36	-13.00	-60.97	-5.61	Peak
3	278.67	-63.74	-57.98	-13.00	-50.74	-5.76	Peak
4	403.60	-70.35	-67.52	-13.00	-57.35	-2.83	Peak
5	549.20	-67.80	-66.07	-13.00	-54.80	-1.73	Peak
6	907.60	-66.80	-70.04	-13.00	-53.80	3.24	Peak
7	3465.00	-49.90	-64.24	-13.00	-36.90	14.34	Peak
8 pp	5197.50	-40.11	-60.23	-13.00	-27.11	20.12	Peak

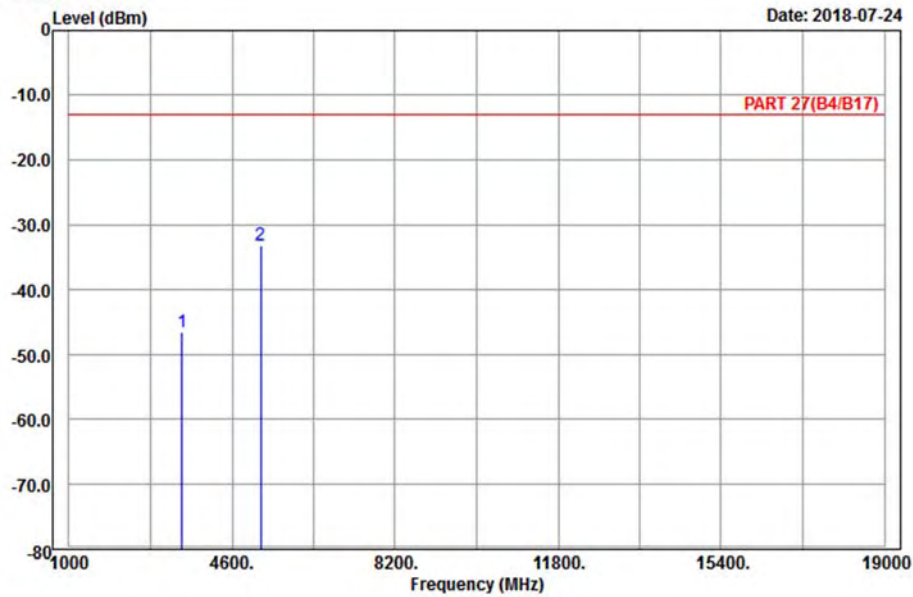
Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	TX channel 20300 (1745.0MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 27(B4/B17) Horizontal
 Remark : LTE_Band 4_Link_CH20300
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3490.00	-46.52	-60.83	-13.00	-33.52	14.31 Peak
2	pp 5235.00	-33.04	-53.20	-13.00	-20.04	20.16 Peak

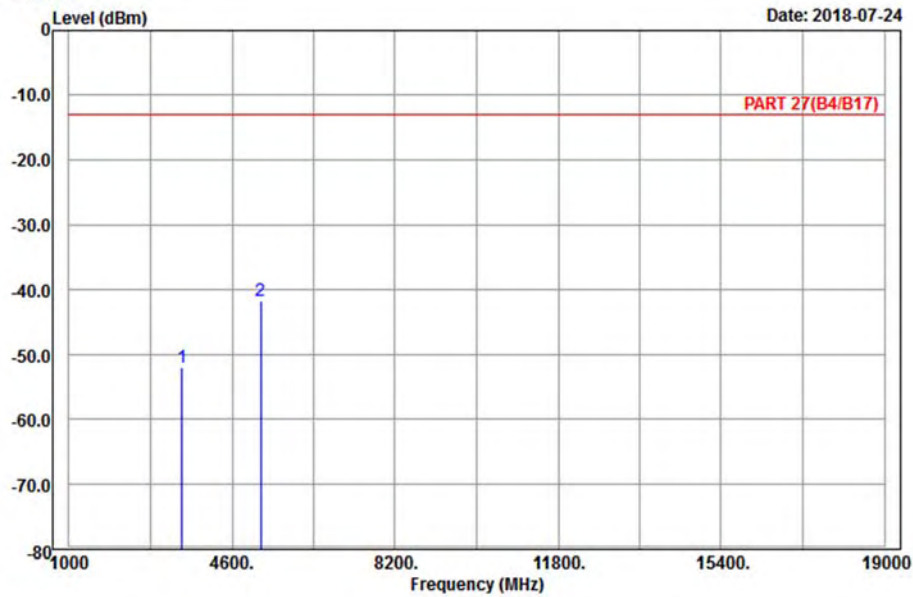
Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	TX channel 20300 (1745.0MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1
Condition: PART 27(B4/B17) Vertical
Remark : LTE_Band 4_Link_CH20300
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3490.00	-51.80	-66.11	-13.00	-38.80	14.31 Peak
2 pp	5235.00	-41.56	-61.72	-13.00	-28.56	20.16 Peak

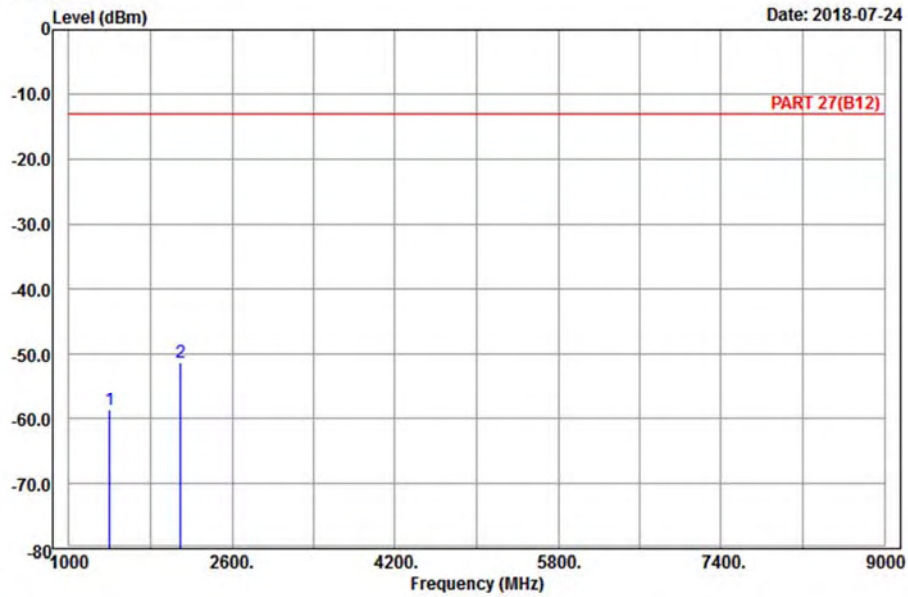
Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	TX channel 23017 (699.7MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 27(B12) Horizontal
Remark : LTE_Band 12_Link_CH23017
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1399.40	-58.71	-64.81	-13.00	-45.71	6.10 Peak
2 pp	2099.10	-51.31	-62.24	-13.00	-38.31	10.93 Peak

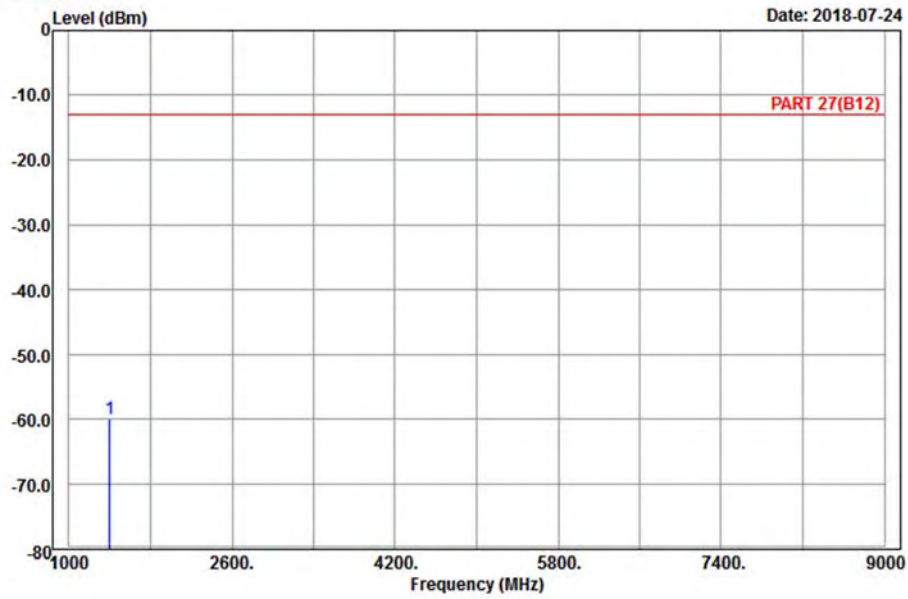
Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	TX channel 23017 (699.7MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B12) Vertical
 Remark : LTE_Band 12_Link_CH23017
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1399.40	-59.90	-66.00	-13.00	-46.90	6.10 Peak

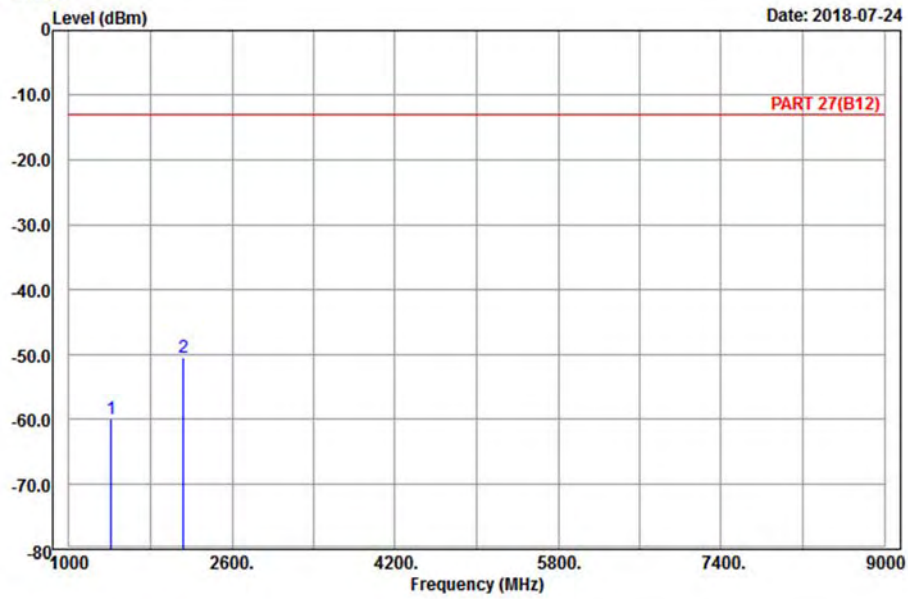
Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	TX channel 23095 (707.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 27(B12) Horizontal
Remark : LTE_Band 12_Link_CH23095
Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1415.00	-59.88	-66.24	-13.00	-46.88	6.36	Peak
2 pp	2122.50	-50.31	-61.42	-13.00	-37.31	11.11	Peak

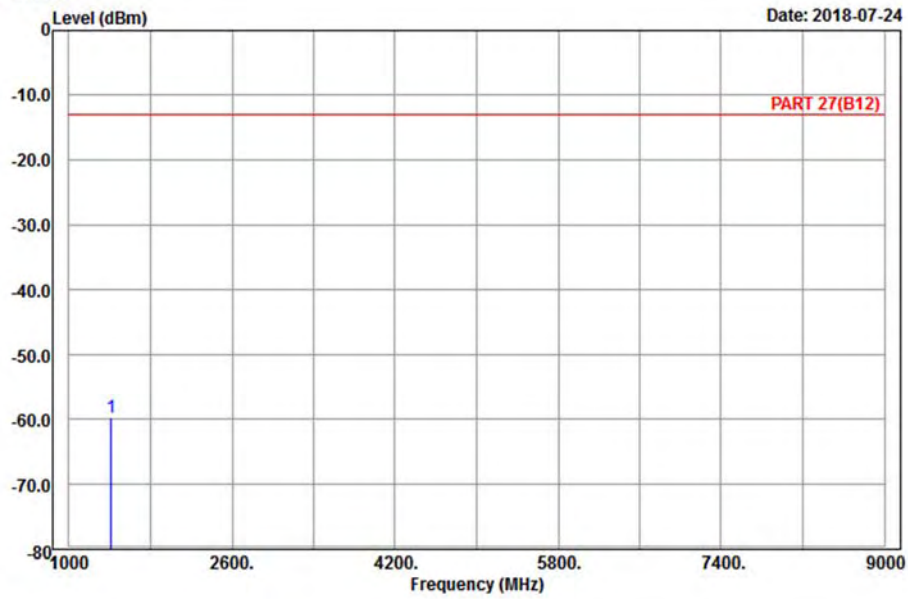
Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	TX channel 23095 (707.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
Condition: PART 27(B12) Vertical
Remark : LTE_Band 12_Link_CH23095
Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1415.00	-59.79	-66.15	-13.00	-46.79	6.36 Peak

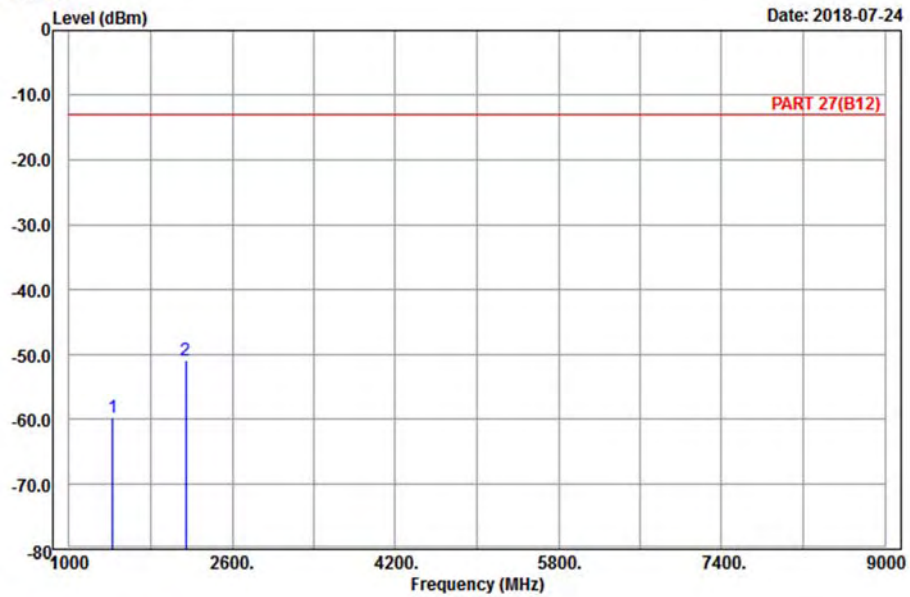
Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	TX channel 23173 (715.3MHz)
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A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B12) Horizontal
 Remark : LTE_Band 12_Link_CH23173
 Tested by: Karl Lee

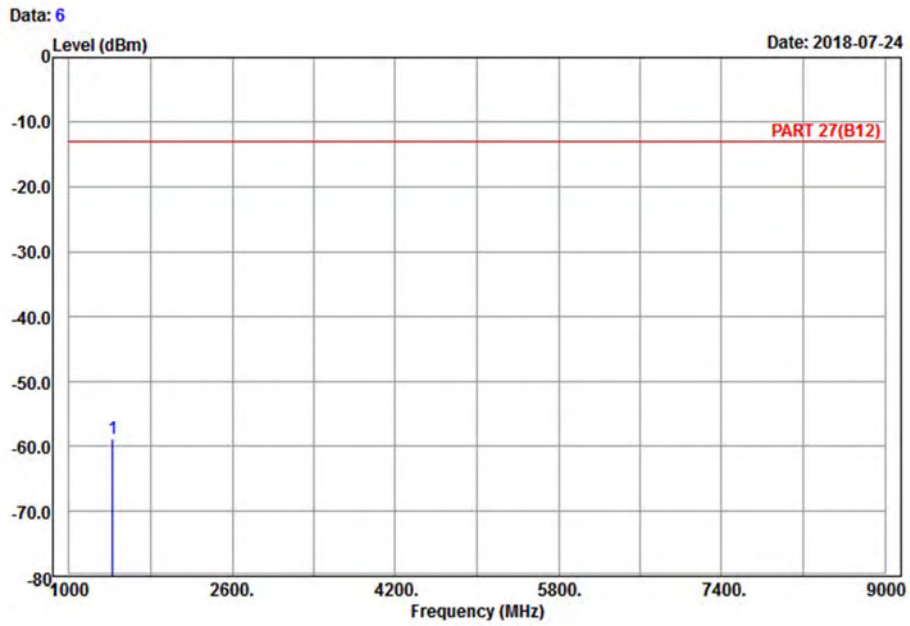
	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1430.60	-59.68	-65.92	-13.00	-46.68	6.24 Peak
2 pp	2145.90	-50.74	-61.99	-13.00	-37.74	11.25 Peak

Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	TX channel 23173 (715.3MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T



Site : 966 chamber 1
 Condition: PART 27(B12) Vertical
 Remark : LTE_Band 12_Link_CH23173
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1430.60	-58.79	-65.03	-13.00	-45.79	6.24
					Peak

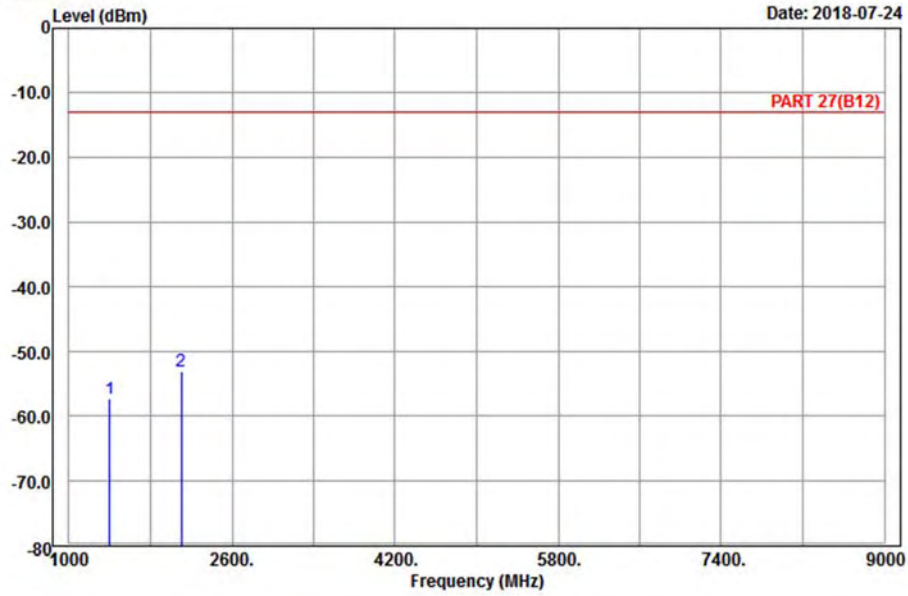
Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	TX channel 23035 (701.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B12) Horizontal
 Remark : LTE_Band 12_Link_CH23035
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor Remark
MHz	dBm	dBm	dBm	dB	dB
1	1403.00	-57.41	-63.51	-13.00	-44.41 6.10 Peak
2	pp 2104.50	-52.88	-63.81	-13.00	-39.88 10.93 Peak

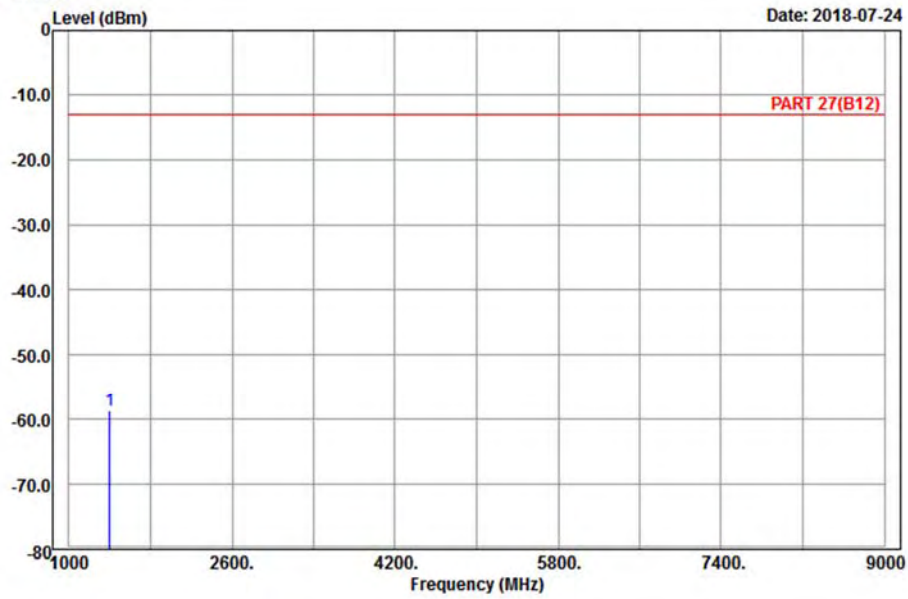
Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	TX channel 23035 (701.5MHz)
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A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B12) Vertical
 Remark : LTE_Band 12_Link_CH23035
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1403.00	-58.53	-64.63	-13.00	-45.53	6.10 Peak

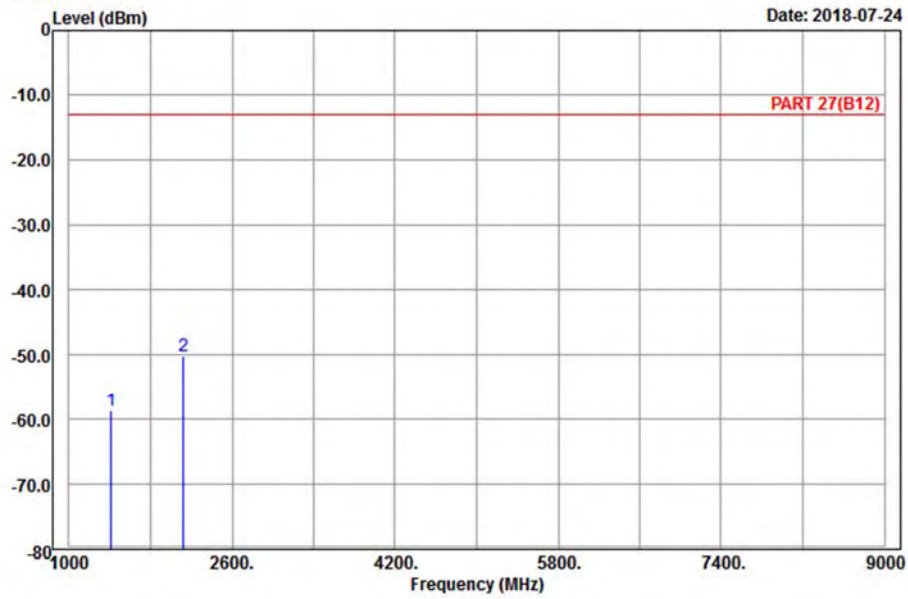
Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	TX channel 23095 (707.5MHz)
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A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B12) Horizontal
 Remark : LTE_Band 12_Link_CH23095
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1415.00	-58.71	-65.07	-13.00	-45.71	6.36 Peak
2 pp	2122.50	-50.16	-61.27	-13.00	-37.16	11.11 Peak

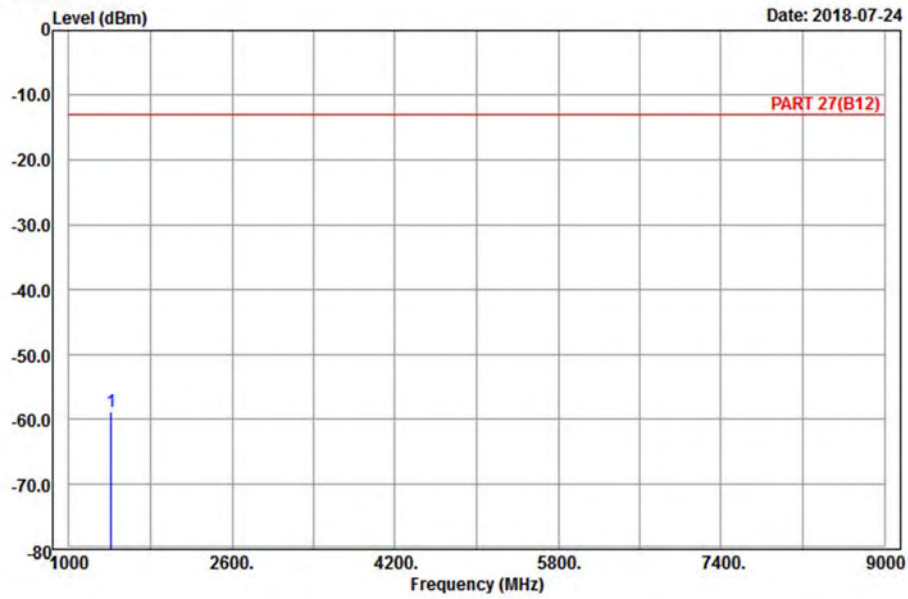
Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	TX channel 23095 (707.5MHz)
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A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B12) Vertical
 Remark : LTE_Band 12_Link_CH23095
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1415.00	-58.79	-65.15	-13.00	-45.79	6.36 Peak

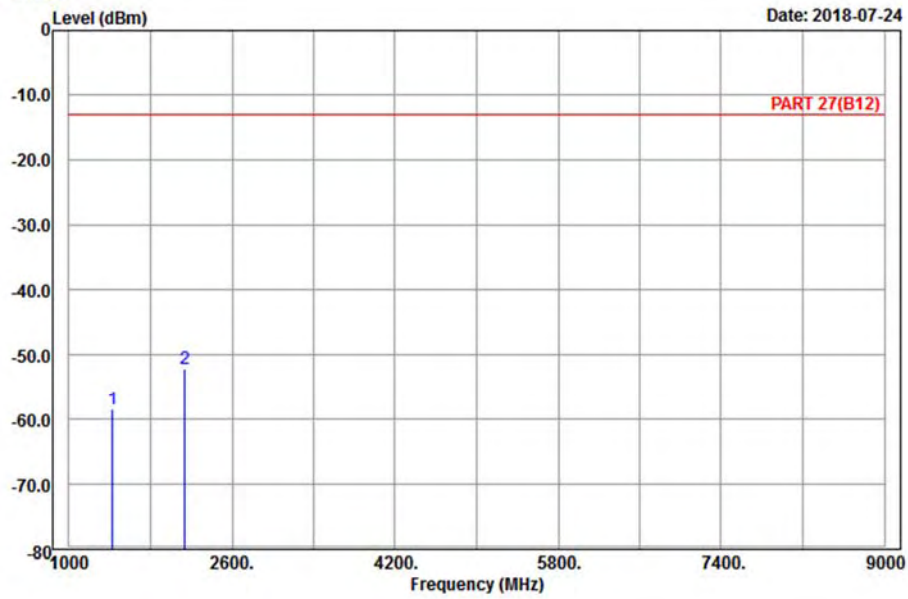
Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	TX channel 23155 (713.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B12) Horizontal
 Remark : LTE_Band 12_Link_CH23155
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1427.00	-58.46	-64.70	-13.00	-45.46	6.24 Peak
2 pp	2140.50	-52.09	-63.37	-13.00	-39.09	11.28 Peak

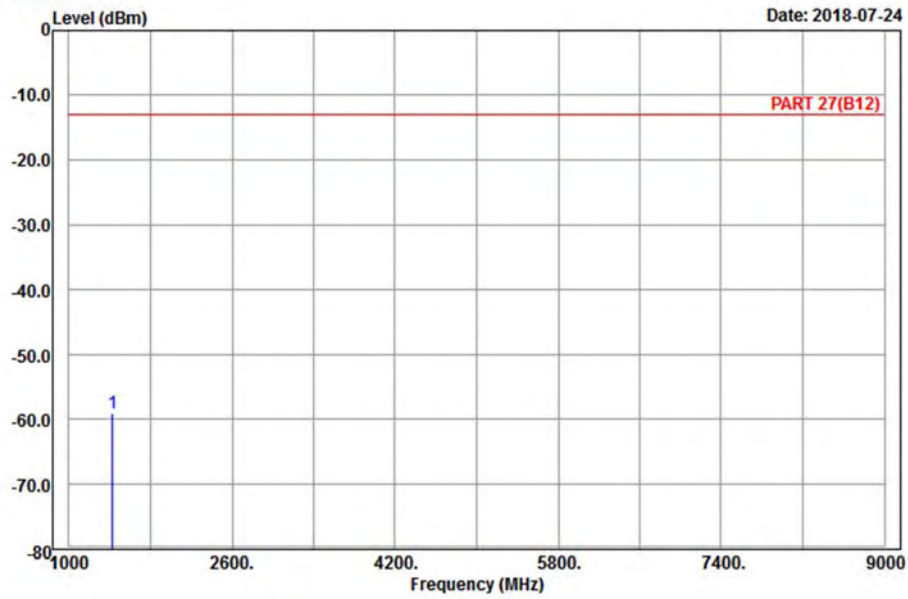
Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	TX channel 23155 (713.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
Condition: PART 27(B12) Vertical
Remark : LTE_Band 12_Link_CH23155
Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1427.00	-59.00	-65.24	-13.00	-46.00	6.24 Peak

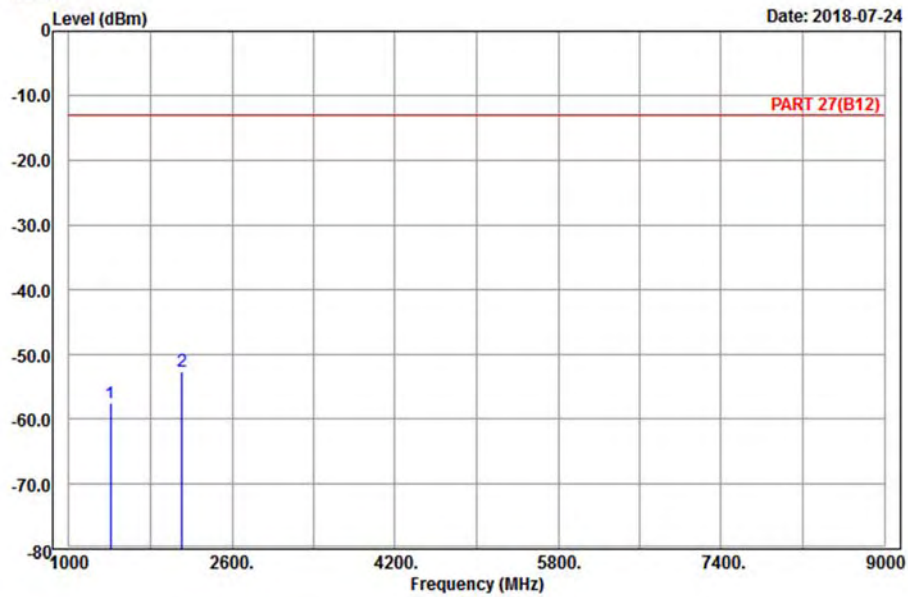
Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	TX channel 23060 (704MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 27(B12) Horizontal
Remark : LTE_Band 12_Link_CH23060
Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1408.00	-57.55	-63.91	-13.00	-44.55	6.36	Peak
2	pp 2112.00	-52.56	-63.67	-13.00	-39.56	11.11	Peak

Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	TX channel 23060 (704MHz)
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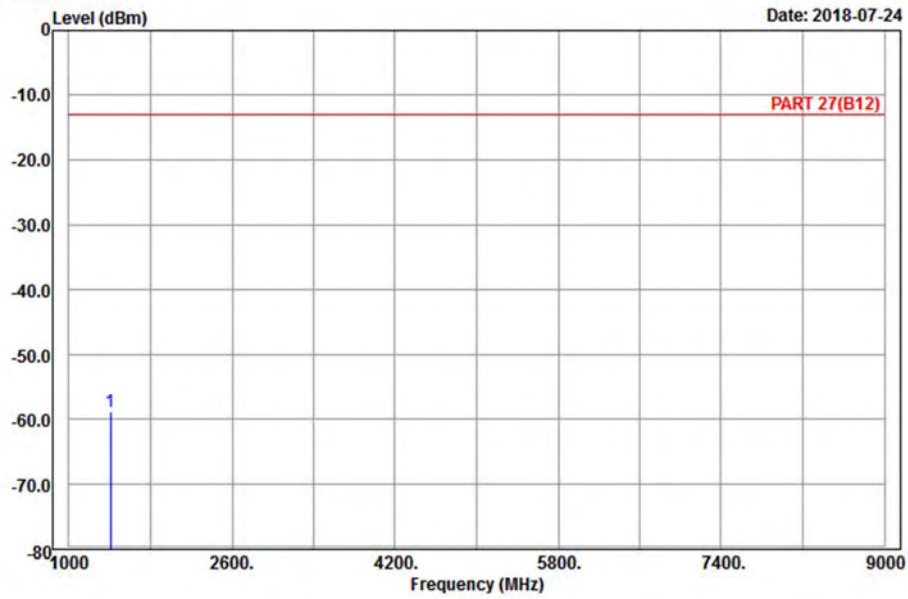


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6

Date: 2018-07-24



Site : 966 chamber 1
 Condition: PART 27(B12) Vertical
 Remark : LTE_Band 12_Link_CH23060
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1408.00	-58.90	-65.26	-13.00	-45.90	6.36 Peak

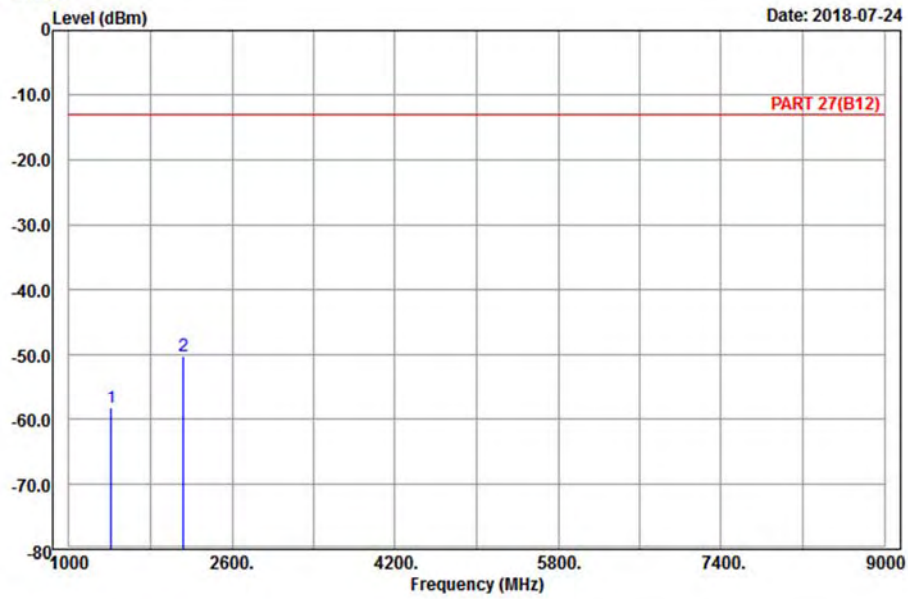
Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	TX channel 23095 (707.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B12) Horizontal
 Remark : LTE_Band 12_Link_CH23095
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1415.00	-58.30	-64.66	-13.00	-45.30	6.36 Peak
2 pp	2122.50	-50.06	-61.17	-13.00	-37.06	11.11 Peak

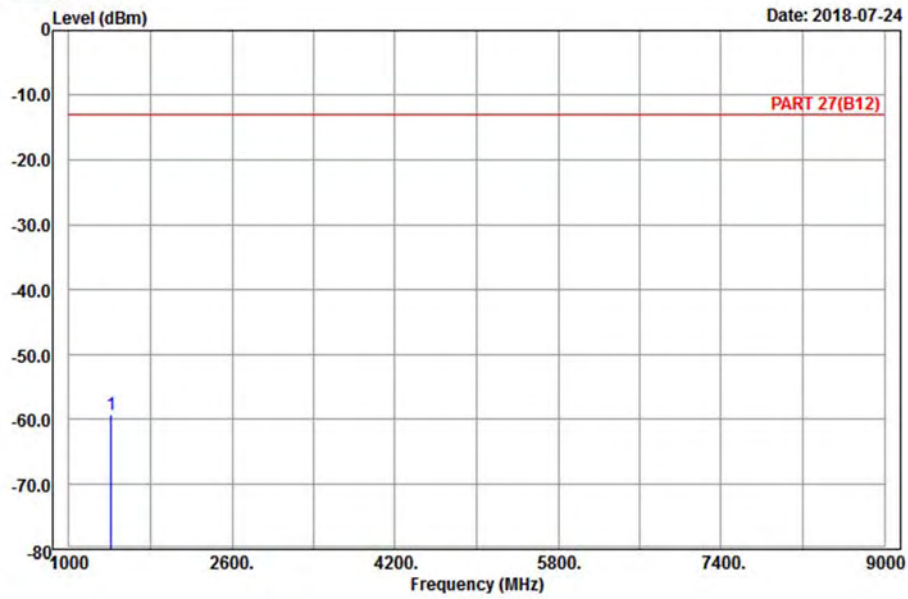
Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	TX channel 23095 (707.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
Condition: PART 27(B12) Vertical
Remark : LTE_Band 12_Link_CH23095
Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 1415.00	-59.26	-65.62	-13.00	-46.26	6.36 Peak

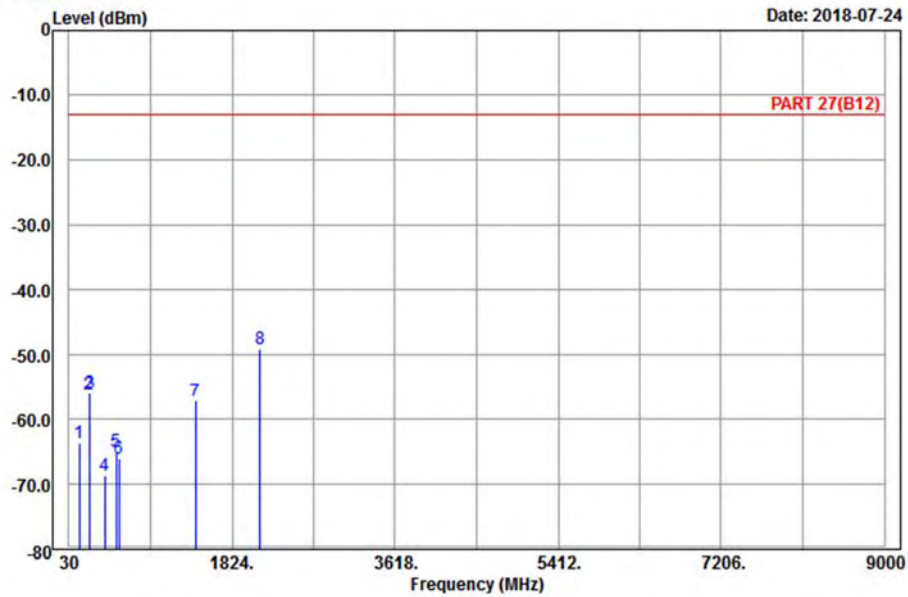
Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	TX channel 23130 (711MHz)
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A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 27(B12) Horizontal
 Remark : LTE_Band 12_Link_CH23130
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit	Over		
	MHz	dBm	dBm	dBm	dB	Factor	Remark
1	143.94	-63.65	-55.86	-13.00	-50.65	-7.79	Peak
2	248.70	-55.97	-50.44	-13.00	-42.97	-5.53	Peak
3	263.28	-55.73	-50.11	-13.00	-42.73	-5.62	Peak
4	423.90	-68.74	-65.47	-13.00	-55.74	-3.27	Peak
5	549.20	-64.94	-63.21	-13.00	-51.94	-1.73	Peak
6	577.90	-66.09	-65.59	-13.00	-53.09	-0.50	Peak
7	1422.00	-57.05	-63.41	-13.00	-44.05	6.36	Peak
8 pp	2133.00	-48.96	-60.24	-13.00	-35.96	11.28	Peak

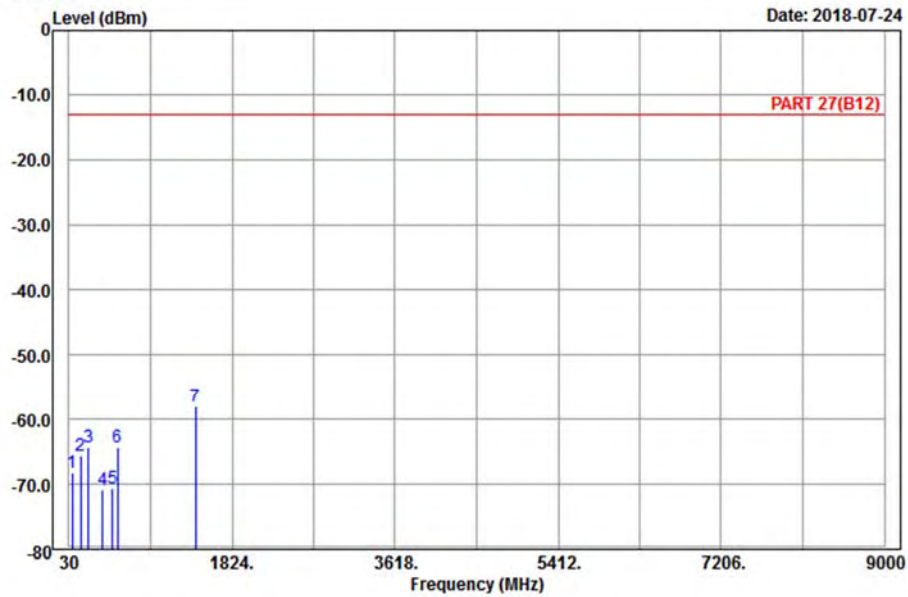
Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	TX channel 23130 (711MHz)
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A D T

Data: 10



Site : 966 chamber 1
 Condition: PART 27(B12) Vertical
 Remark : LTE_Band 12_Link_CH23130
 Tested by: Karl Lee

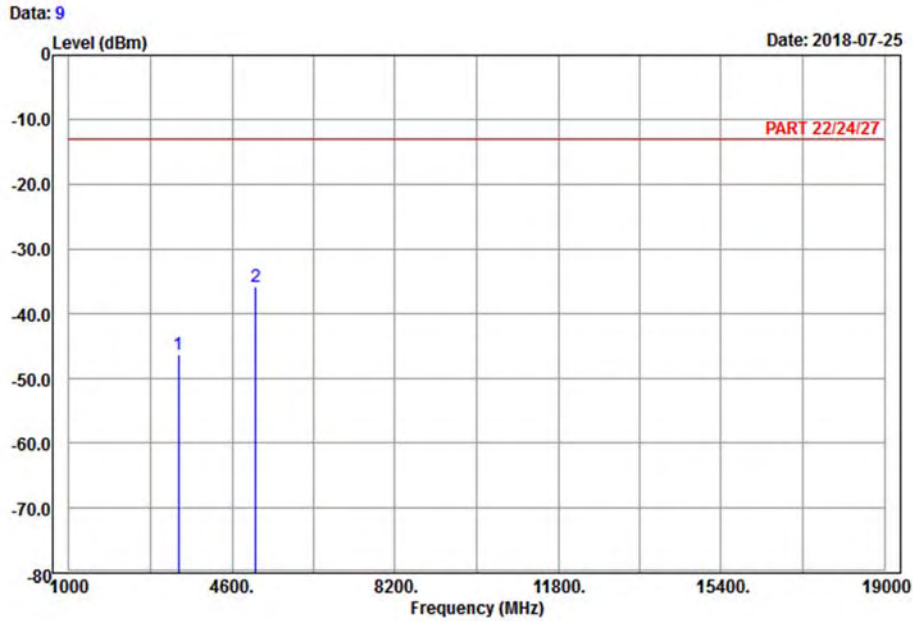
	Read	Limit	Over				
Freq	Level	Level	Line	Limit	Factor	Remark	
MHz	dBm	dBm	dBm	dB	dB		
1	66.72	-68.20	-55.10	-13.00	-55.20	-13.10	Peak
2	158.52	-65.54	-57.82	-13.00	-52.54	-7.72	Peak
3	247.89	-64.26	-58.73	-13.00	-51.26	-5.53	Peak
4	402.20	-70.90	-68.10	-13.00	-57.90	-2.80	Peak
5	510.00	-70.53	-65.96	-13.00	-57.53	-4.57	Peak
6	563.20	-64.36	-63.26	-13.00	-51.36	-1.10	Peak
7 pp	1422.00	-58.07	-64.43	-13.00	-45.07	6.36	Peak

Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	TX channel 131979 (1710.7MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T



Site : 966 chamber 1
Condition: PART 22/24/27 Horizontal
Remark : LTE_Band 66_Link_CH131979
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3421.40	-46.19	-60.56	-13.00	-33.19	14.37 Peak
2	pp	5132.10	-35.69	-55.50	-13.00	-22.69 19.81 Peak

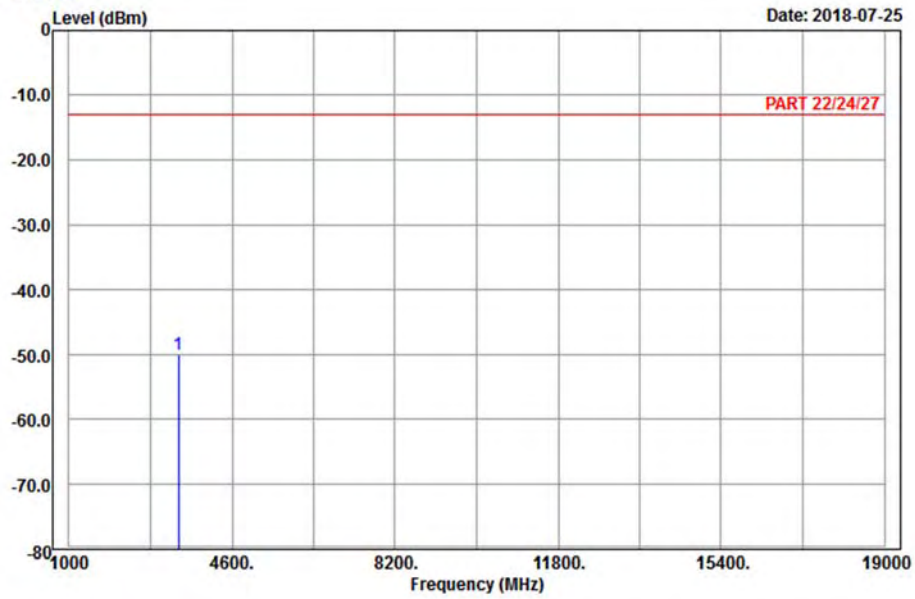
Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	TX channel 131979 (1710.7MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1
Condition: PART 22/24/27 Vertical
Remark : LTE_Band 66_Link_CH131979
Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 3421.40	-49.87	-64.24	-13.00	-36.87	14.37 Peak

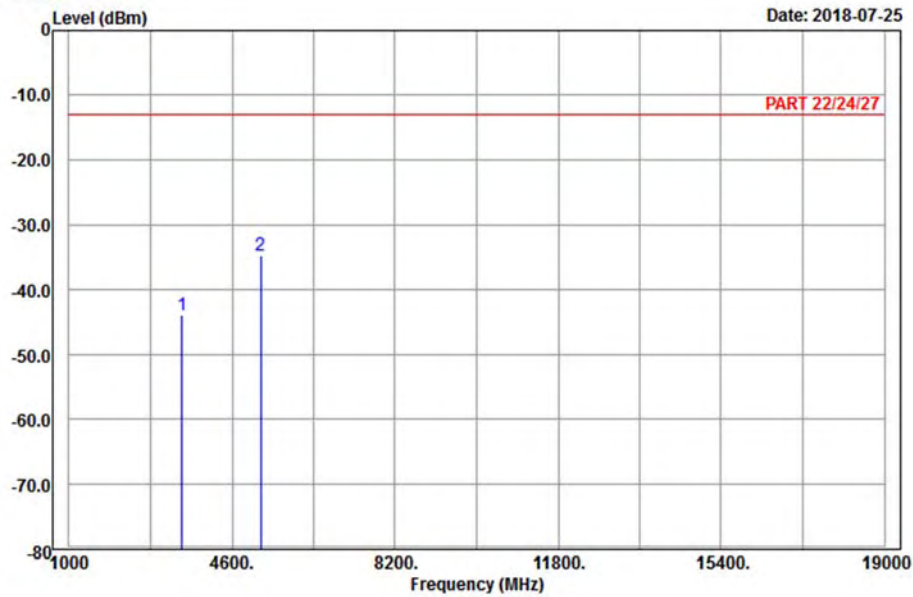
Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	TX channel 132322 (1745MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 22/24/27 Horizontal
 Remark : LTE_Band 66_Link_CH132322
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3490.00	-43.90	-58.21	-13.00	-30.90	14.31 Peak
2 pp	5235.00	-34.69	-54.85	-13.00	-21.69	20.16 Peak

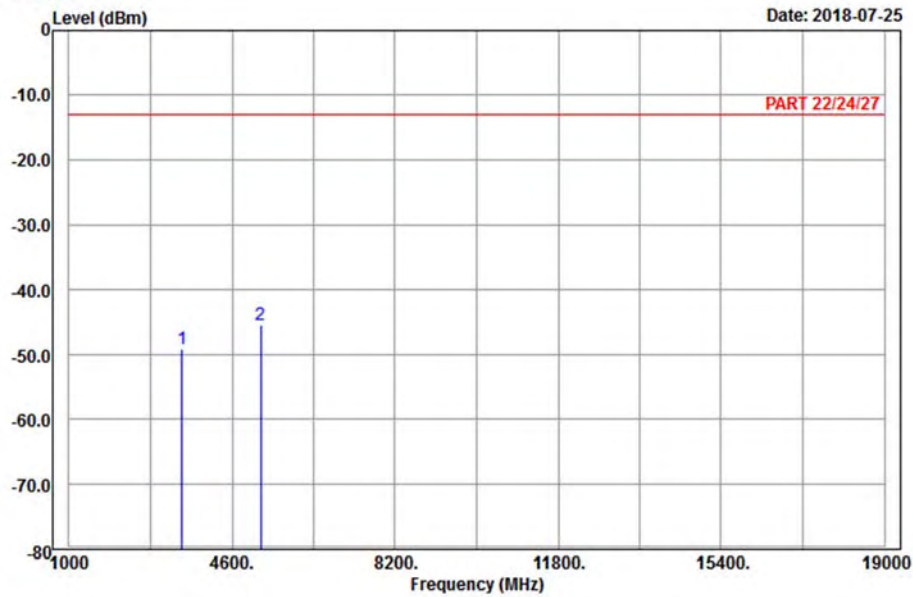
Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	TX channel 132322 (1745MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1
 Condition: PART 22/24/27 Vertical
 Remark : LTE_Band 66_Link_CH132322
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3490.00	-49.12	-63.43	-13.00	-36.12	14.31 Peak
2 pp	5235.00	-45.24	-65.40	-13.00	-32.24	20.16 Peak

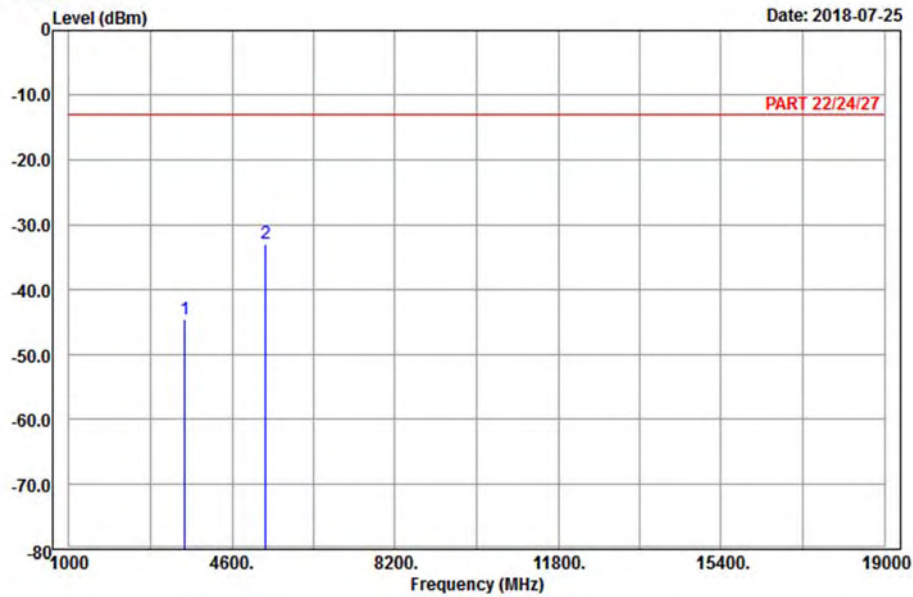
Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	TX channel 132665 (1779.3MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
Condition: PART 22/24/27 Horizontal
Remark : LTE_Band 66_Link_CH132665
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3558.60	-44.44	-59.63	-13.00	-31.44	15.19 Peak
2 pp	5337.90	-32.82	-53.10	-13.00	-19.82	20.28 Peak

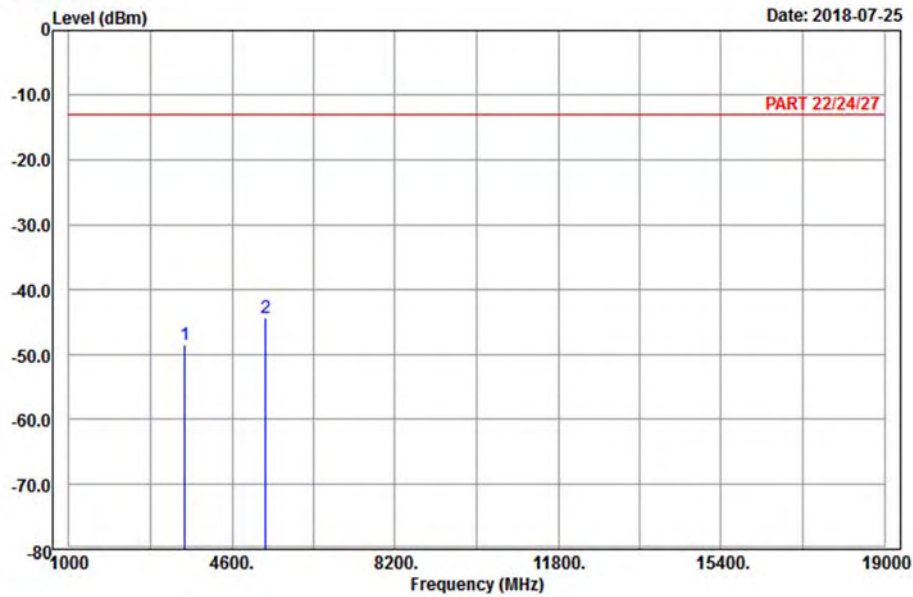
Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	TX channel 132665 (1779.3MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1
Condition: PART 22/24/27 Vertical
Remark : LTE_Band 66_Link_CH132665
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3558.60 -48.48	-63.67	-13.00	-35.48	15.19	Peak
2 pp	5337.90 -44.34	-64.62	-13.00	-31.34	20.28	Peak

Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	TX channel 131997 (1712.5MHz)
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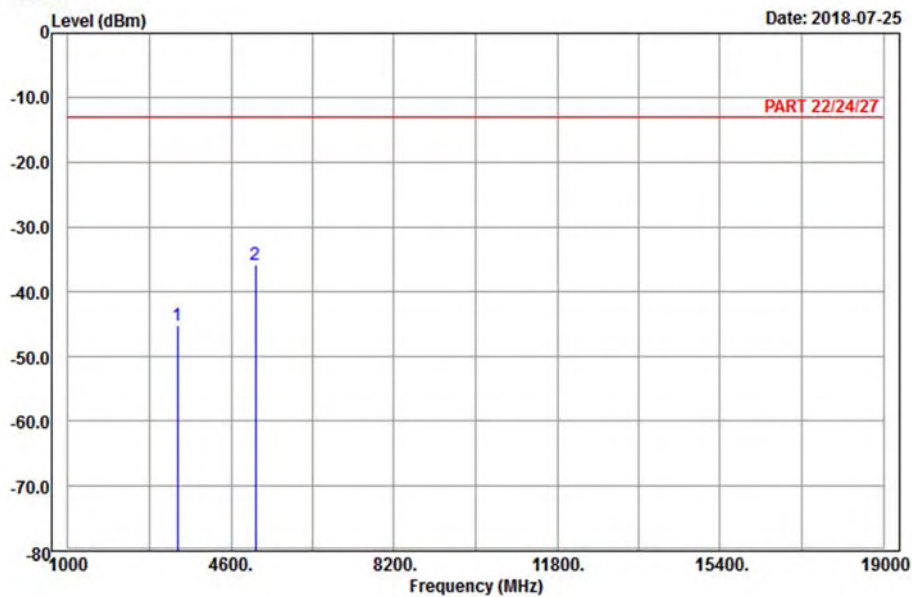


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A D T

Data: 9

Date: 2018-07-25



Site : 966 chamber 1
 Condition: PART 22/24/27 Horizontal
 Remark : LTE_Band 66_Link_CH131997
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3425.00	-45.16	-59.53	-13.00	-32.16	14.37 Peak
2 pp	5137.50	-35.78	-55.59	-13.00	-22.78	19.81 Peak

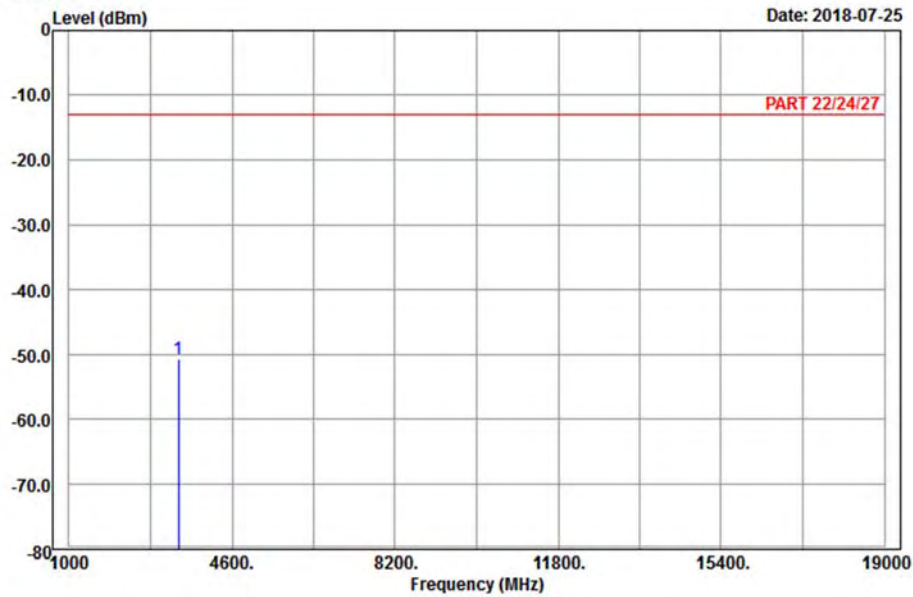
Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	TX channel 131997 (1712.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1
 Condition: PART 22/24/27 Vertical
 Remark : LTE_Band 66_Link_CH131997
 Tested by: Karl Lee

	Read	Limit	Over		
Freq	Level	Level	Line	Limit	Factor
MHz	dBm	dBm	dBm	dB	dB
1 pp 3425.00	-50.53	-64.90	-13.00	-37.53	14.37 Peak

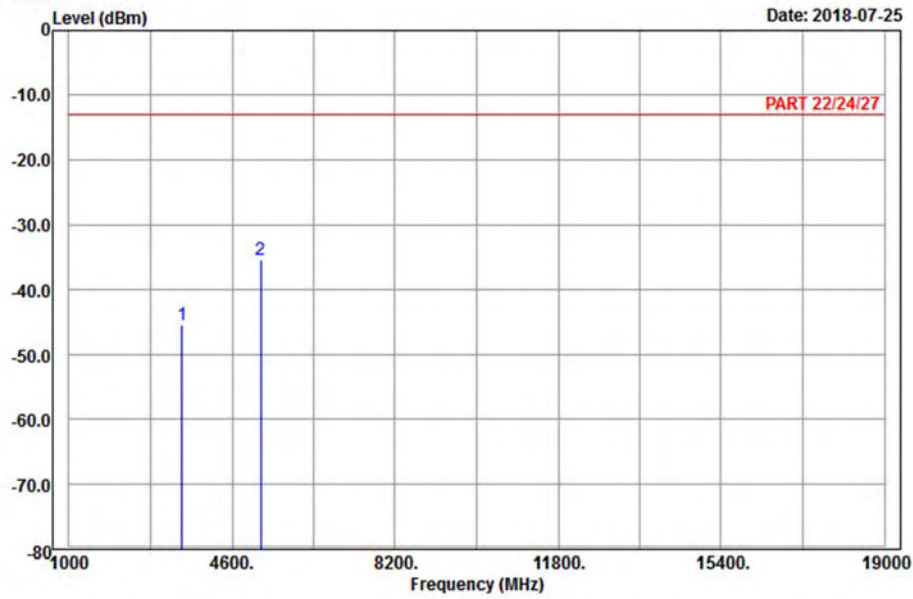
Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	TX channel 132322 (1745MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 22/24/27 Horizontal
 Remark : LTE_Band 66_Link_CH132322
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	3490.00	-45.44	-59.75	-13.00	-32.44	14.31	Peak
2 pp	5235.00	-35.22	-55.38	-13.00	-22.22	20.16	Peak

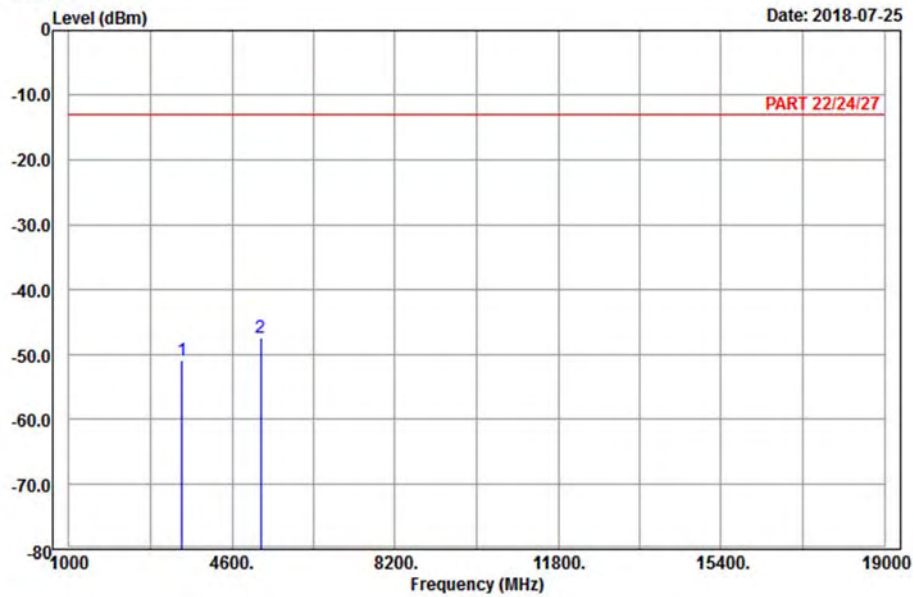
Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	TX channel 132322 (1745MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1
 Condition: PART 22/24/27 Vertical
 Remark : LTE_Band 66_Link_CH132322
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3490.00	-50.78	-65.09	-13.00	-37.78	14.31 Peak
2 pp	5235.00	-47.22	-67.38	-13.00	-34.22	20.16 Peak

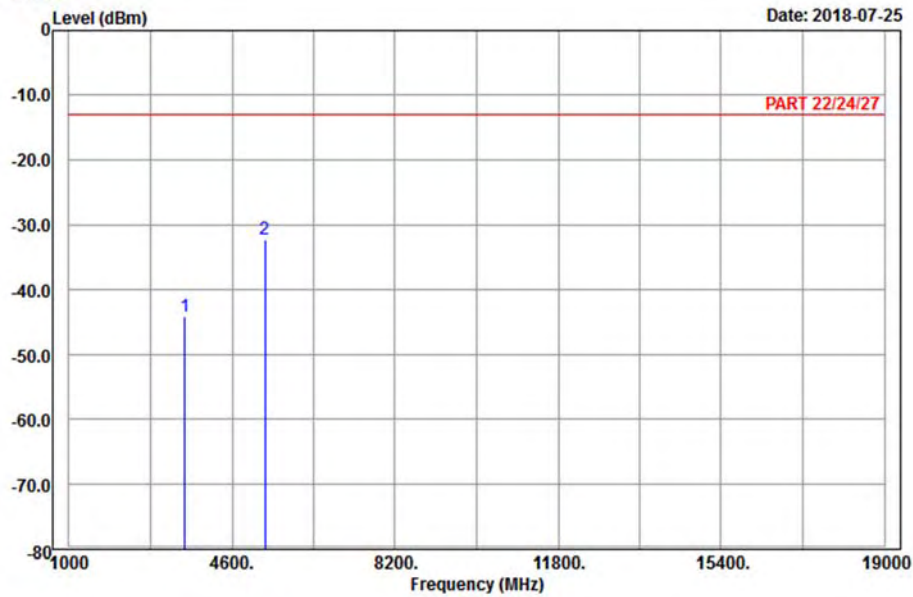
Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	TX channel 132647 (1777.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 22/24/27 Horizontal
 Remark : LTE_Band 66_Link_CH132647
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3555.00	-43.98	-59.17	-13.00	-30.98	15.19 Peak
2 pp	5332.50	-32.30	-52.58	-13.00	-19.30	20.28 Peak

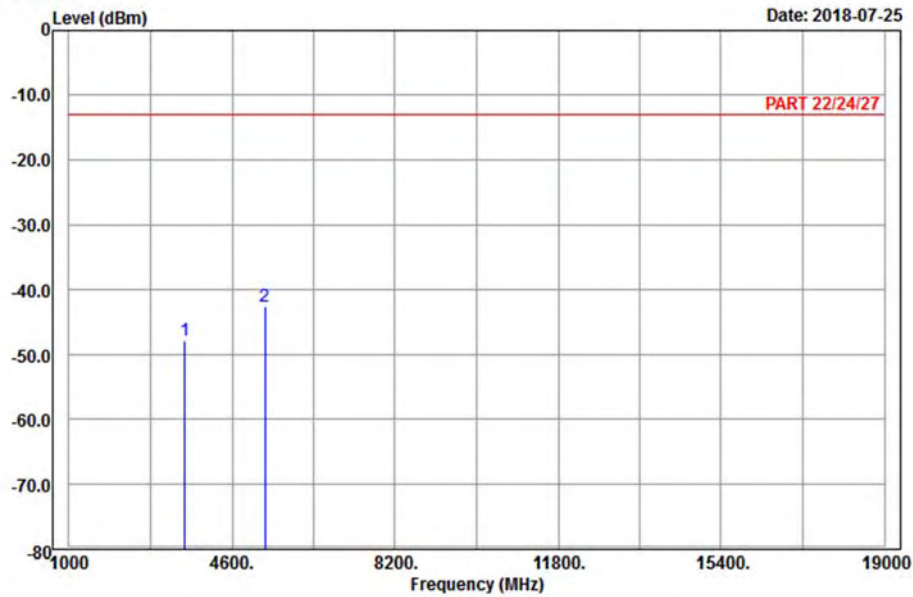
Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	TX channel 132647 (1777.5MHz)
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A D T

Data: 10



Site : 966 chamber 1
 Condition: PART 22/24/27 Vertical
 Remark : LTE_Band 66_Link_CH132647
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3555.00	-47.72	-62.91	-13.00	-34.72	15.19 Peak
2 pp	5332.50	-42.53	-62.81	-13.00	-29.53	20.28 Peak

Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	TX channel 132072 (1720MHz)
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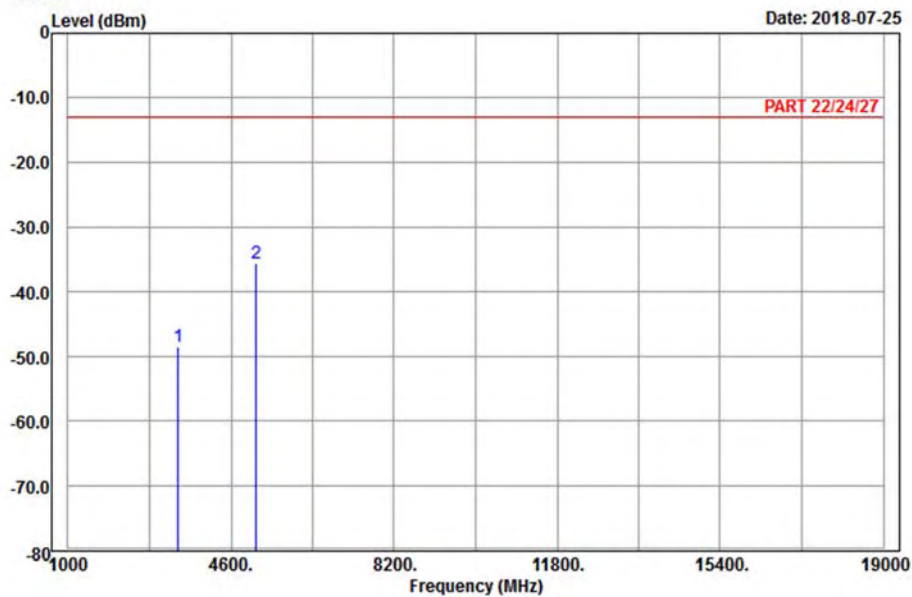


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-07-25



Site : 966 chamber 1
Condition: PART 22/24/27 Horizontal
Remark : LTE_Band 66_Link_CH132072
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3440.00	-48.39	-62.74	-13.00	-35.39	14.35 Peak
2 pp	5160.00	-35.46	-55.38	-13.00	-22.46	19.92 Peak

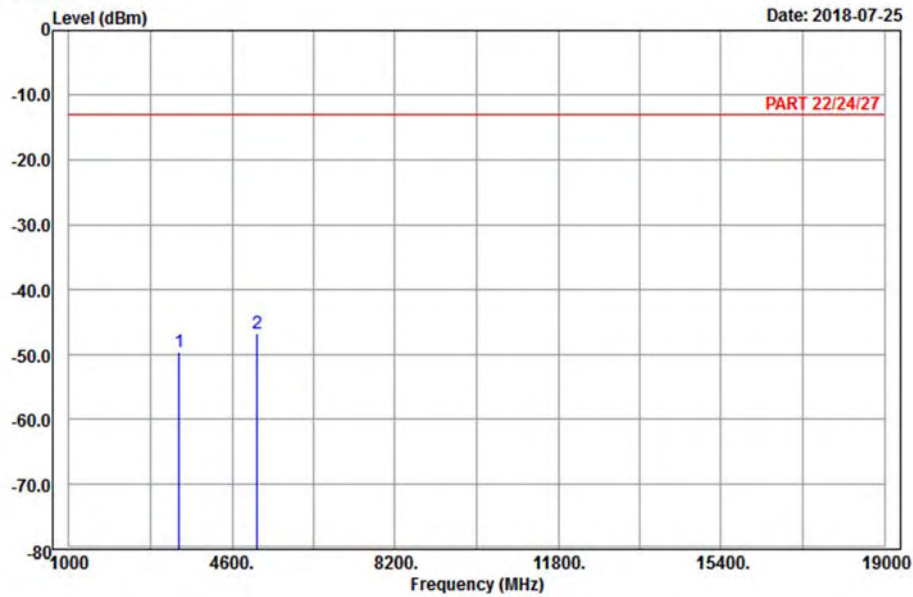
Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	TX channel 132072 (1720MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1
Condition: PART 22/24/27 Vertical
Remark : LTE_Band 66_Link_CH132072
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3440.00	-49.57	-63.92	-13.00	-36.57	14.35 Peak
2 pp	5160.00	-46.72	-66.64	-13.00	-33.72	19.92 Peak

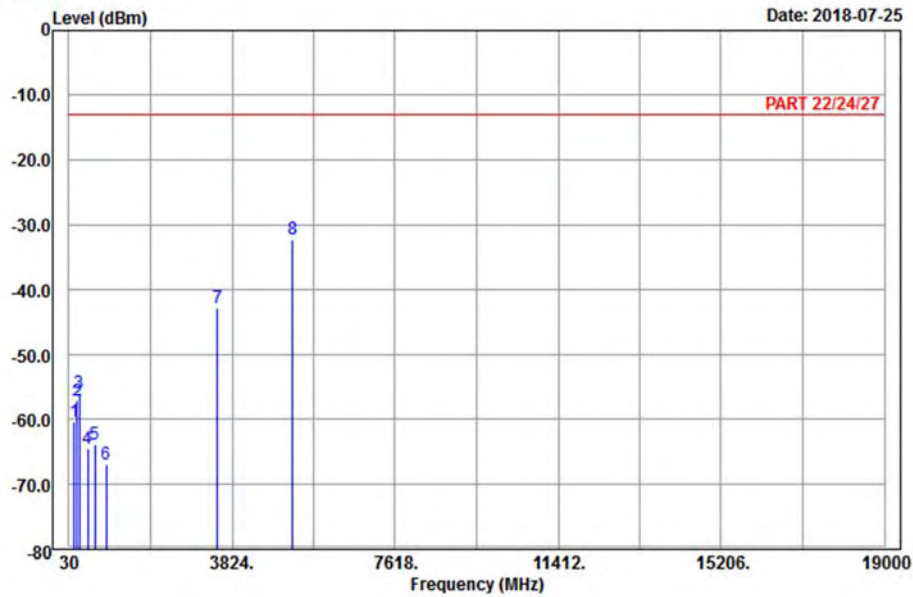
Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	TX channel 132322 (1745MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13



Site : 966 chamber 1
Condition: PART 22/24/27 Horizontal
Remark : LTE_Band 66_Link_CH132322
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	158.79	-60.42	-52.72	-13.00	-47.42	-7.70 Peak
2	226.29	-57.14	-51.31	-13.00	-44.14	-5.83 Peak
3	262.47	-55.76	-50.14	-13.00	-42.76	-5.62 Peak
4	474.30	-64.62	-60.08	-13.00	-51.62	-4.54 Peak
5	636.70	-63.80	-63.82	-13.00	-50.80	0.02 Peak
6	895.70	-66.99	-69.74	-13.00	-53.99	2.75 Peak
7	3490.00	-42.69	-57.00	-13.00	-29.69	14.31 Peak
8 pp	5235.00	-32.17	-52.33	-13.00	-19.17	20.16 Peak

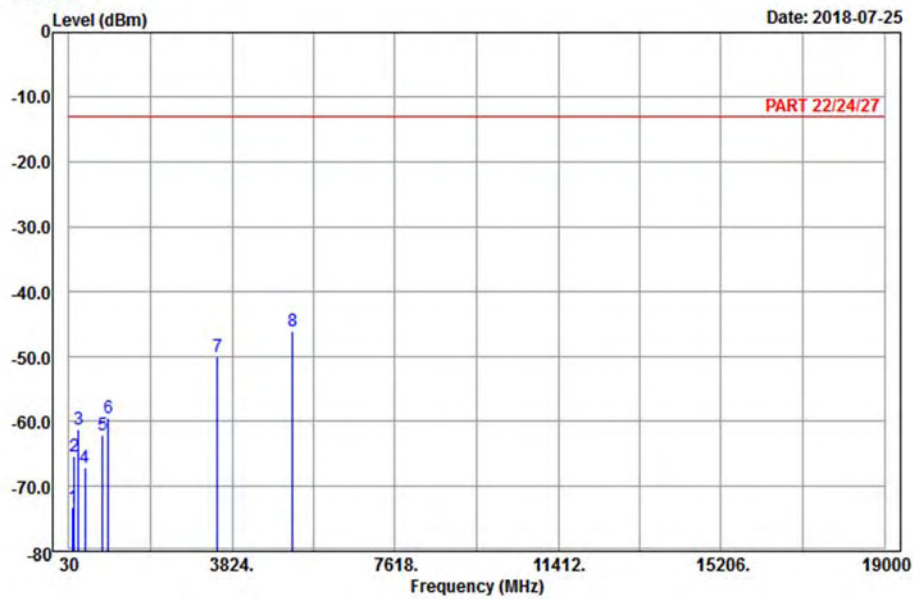
Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	TX channel 132322 (1745MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14



Site : 966 chamber 1
 Condition: PART 22/24/27 Vertical
 Remark : LTE_Band 66_Link_CH132322
 Tested by: Karl Lee

	Read	Limit	Over				
Freq	Level	Level	Line	Limit	Factor	Remark	
MHz	dBm	dBm	dBm	dB	dB		
1	121.80	-73.23	-65.10	-13.00	-60.23	-8.13	Peak
2	158.52	-65.39	-57.67	-13.00	-52.39	-7.72	Peak
3	253.02	-61.24	-55.71	-13.00	-48.24	-5.53	Peak
4	393.80	-67.21	-64.16	-13.00	-54.21	-3.05	Peak
5	815.90	-62.10	-63.93	-13.00	-49.10	1.83	Peak
6	937.70	-59.60	-64.18	-13.00	-46.60	4.58	Peak
7	3490.00	-49.95	-64.26	-13.00	-36.95	14.31	Peak
8 pp	5235.00	-46.06	-66.22	-13.00	-33.06	20.16	Peak

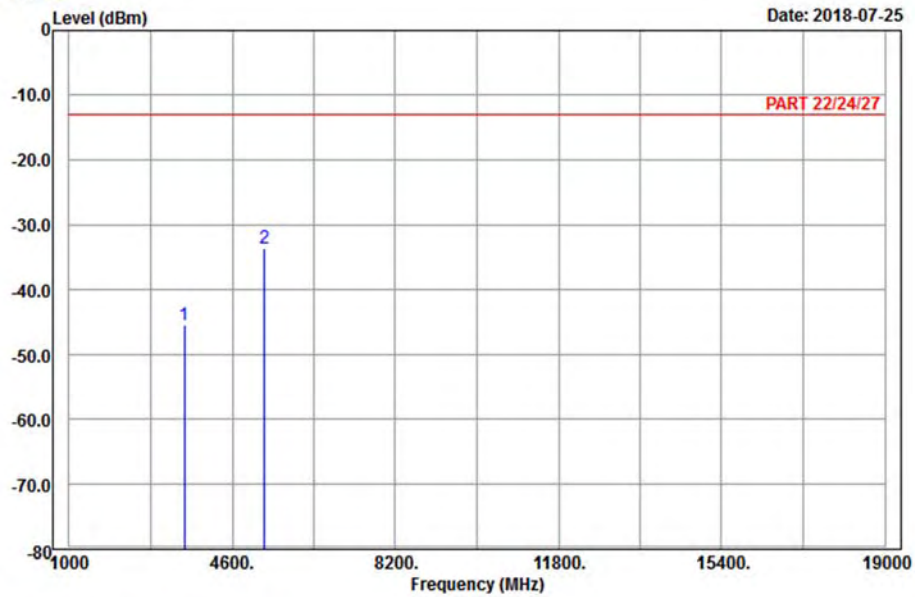
Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	TX channel 132572 (1770MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
 Condition: PART 22/24/27 Horizontal
 Remark : LTE_Band 66_Link_CH132572
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3540.00	-45.44	-60.33	-13.00	-32.44	14.89 Peak
2 pp	5310.00	-33.67	-53.91	-13.00	-20.67	20.24 Peak

Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	TX channel 132572 (1770MHz)
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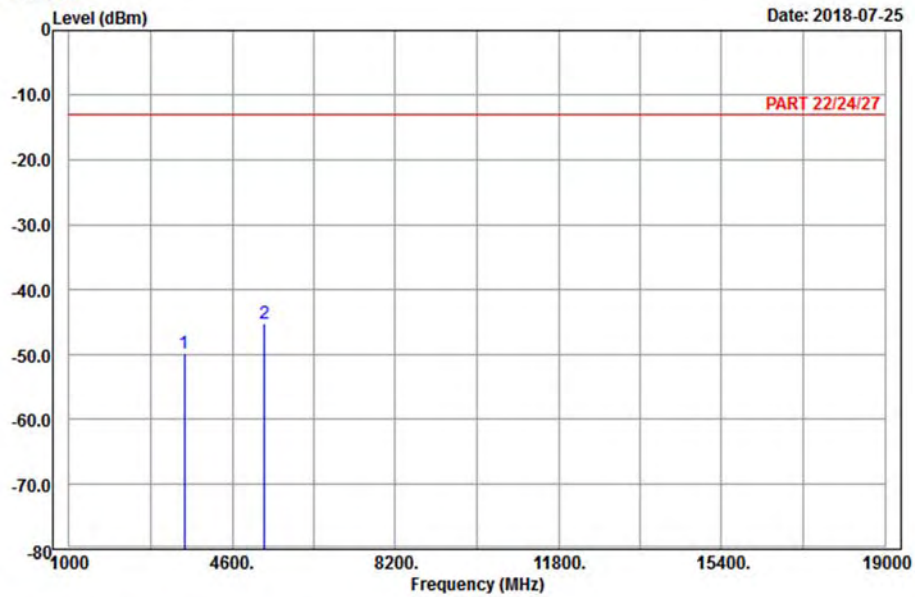


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-07-25



Site : 966 chamber 1
Condition: PART 22/24/27 Vertical
Remark : LTE_Band 66_Link_CH132572
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	3540.00	-49.64	-64.53	-13.00	-36.64	14.89 Peak
2 pp	5310.00	-45.11	-65.35	-13.00	-32.11	20.24 Peak

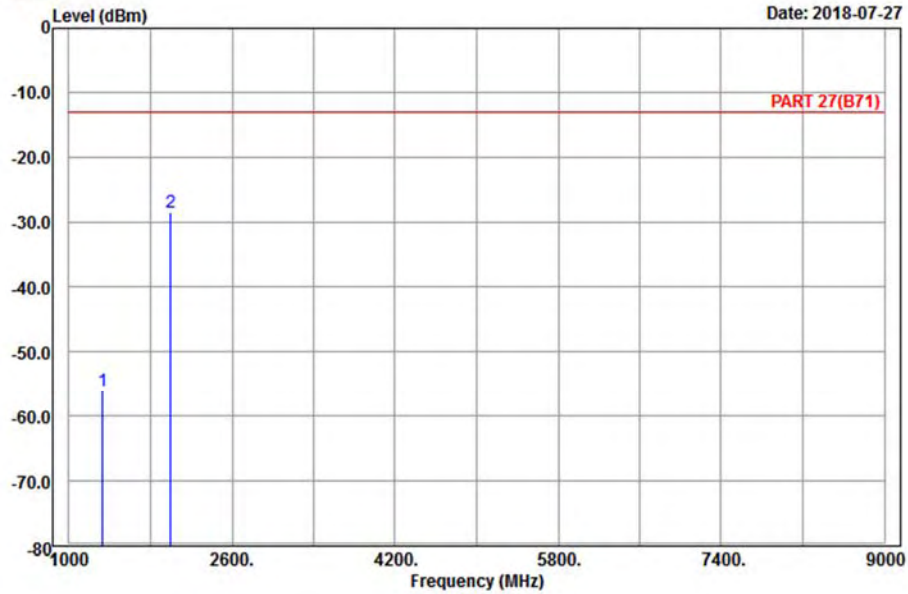
Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	TX channel 133147 (665.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 27(B71) Horizontal
Remark : LTE_Band 71_Link_CH133147
Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1331.00	-56.10	-61.14	-13.00	-43.10	5.04	Peak
2	pp 1996.50	-28.46	-38.42	-13.00	-15.46	9.96	Peak

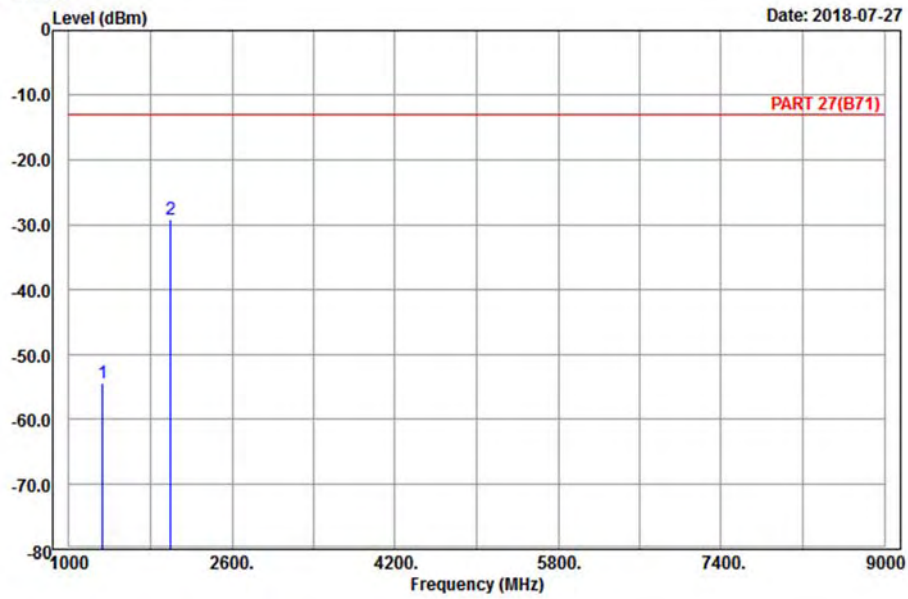
Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	TX channel 133147 (665.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B71) Vertical
 Remark : LTE_Band 71_Link_CH133147
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1331.00	-54.20	-59.24	-13.00	-41.20	5.04	Peak
2 pp	1996.50	-29.29	-39.25	-13.00	-16.29	9.96	Peak

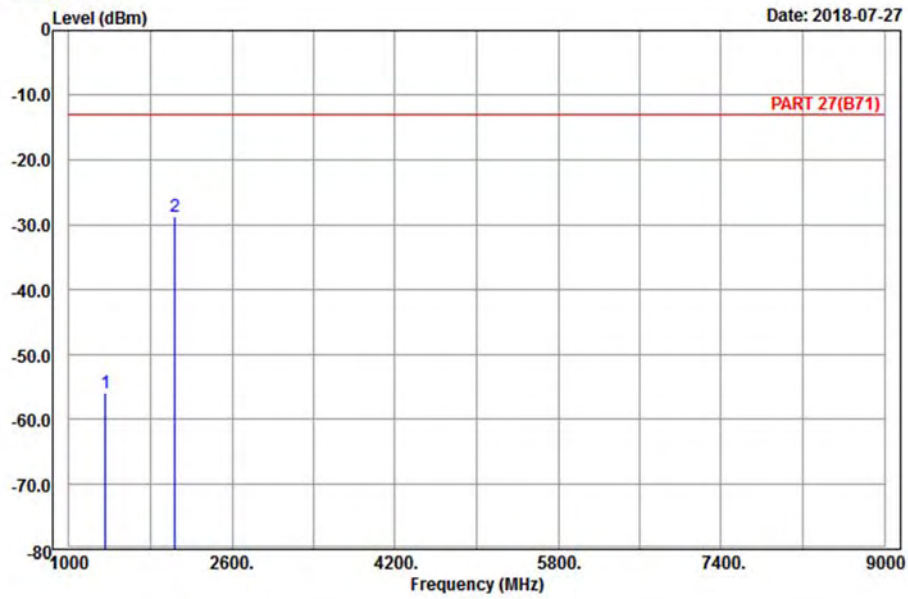
Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	TX channel 133297 (680.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B71) Horizontal
 Remark : LTE_Band 71_Link_CH133297
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit	Over	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1361.00	-55.86	-61.43	-13.00	-42.86	5.57	Peak
2 pp	2041.50	-28.80	-39.22	-13.00	-15.80	10.42	Peak

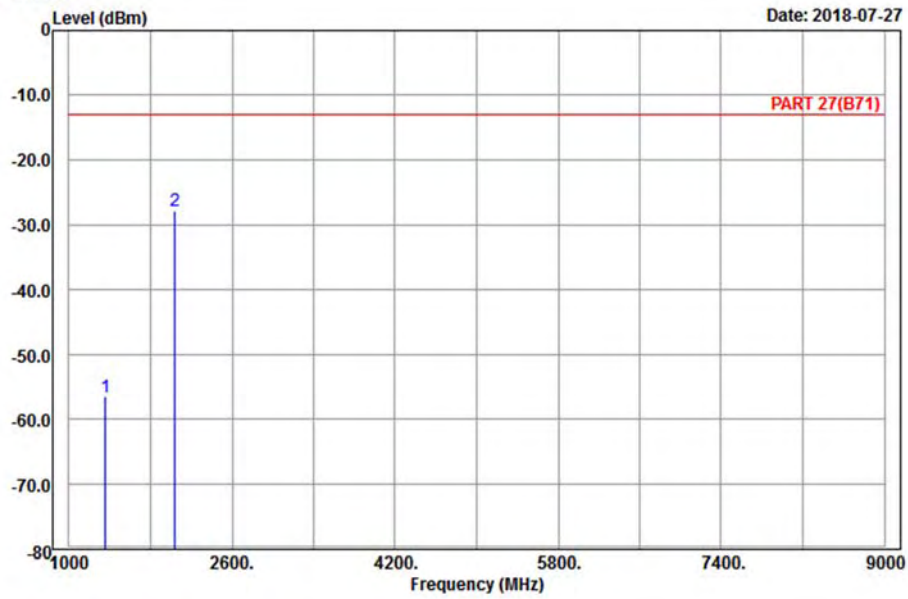
Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	TX channel 133297 (680.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B71) Vertical
 Remark : LTE_Band 71_Link_CH133297
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1361.00	-56.39	-61.96	-13.00	-43.39	5.57 Peak
2 pp	2041.50	-27.88	-38.30	-13.00	-14.88	10.42 Peak

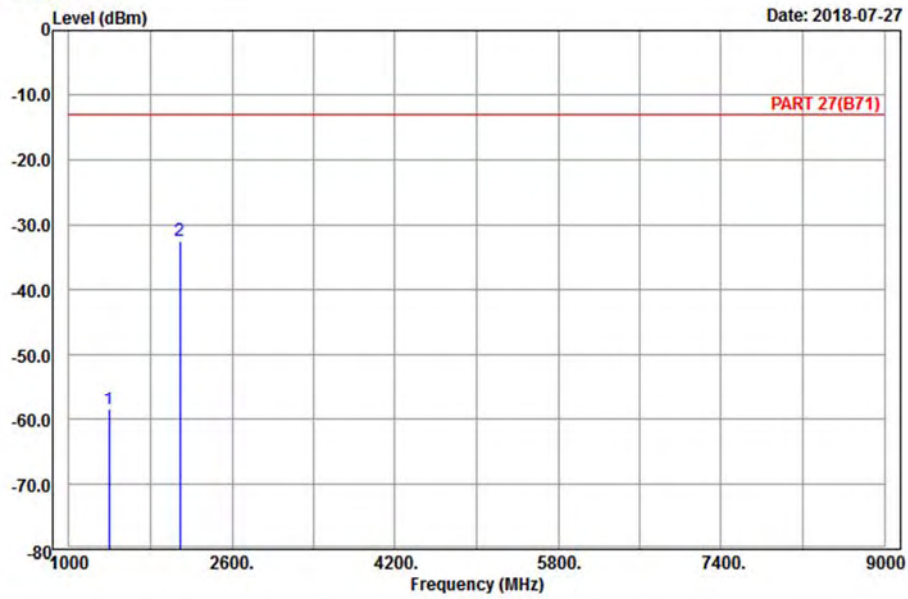
Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	TX channel 133447 (695.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B71) Horizontal
 Remark : LTE_Band 71_Link_CH133447
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1391.00	-58.46	-64.56	-13.00	-45.46	6.10	Peak
2 pp	2086.50	-32.51	-43.27	-13.00	-19.51	10.76	Peak

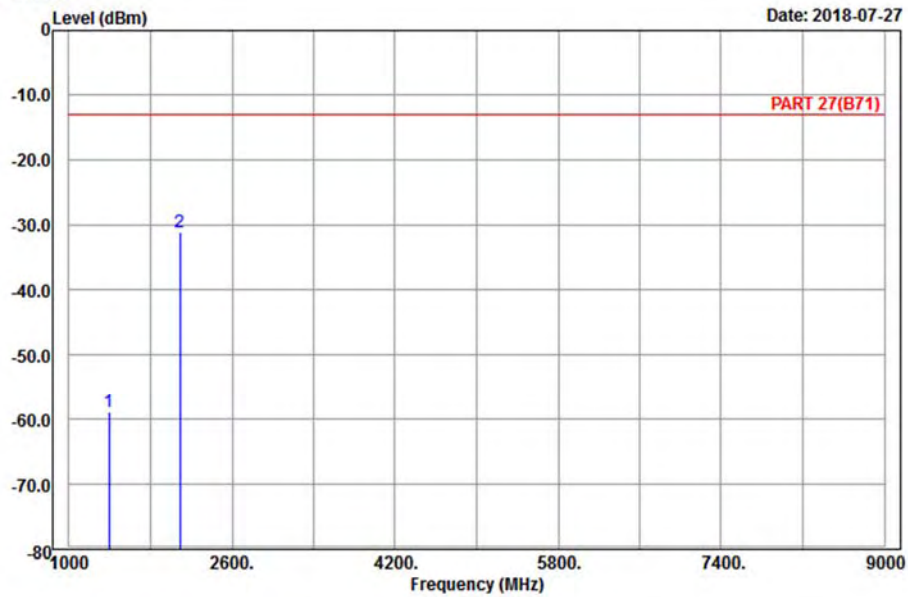
Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	TX channel 133447 (695.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B71) Vertical
 Remark : LTE_Band 71_Link_CH133447
 Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	1391.00	-58.80	-64.90	-13.00	-45.80	6.10	Peak
2 pp	2086.50	-31.13	-41.89	-13.00	-18.13	10.76	Peak

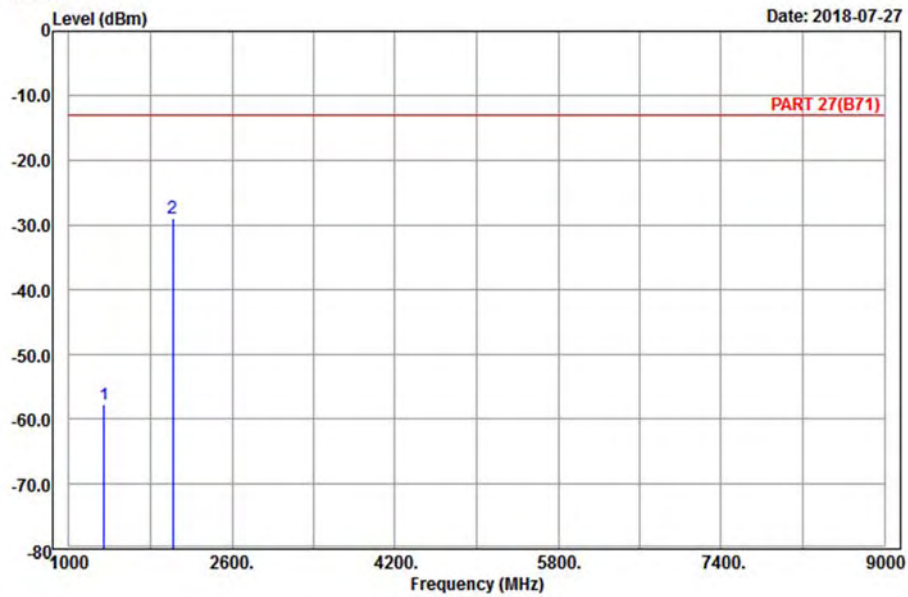
Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	TX channel 133222 (673.0MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 27(B71) Horizontal
Remark : LTE_Band 71_Link_CH133222
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1346.00	-57.78	-63.09	-13.00	-44.78	5.31 Peak
2 pp	2019.00	-29.07	-39.32	-13.00	-16.07	10.25 Peak

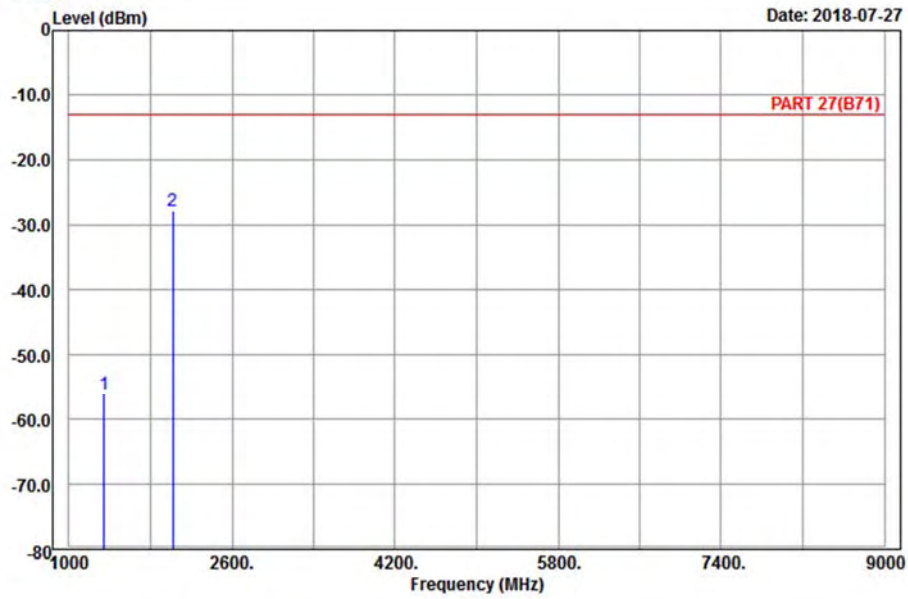
Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	TX channel 133222 (673.0MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B71) Vertical
 Remark : LTE_Band 71_Link_CH133222
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1346.00	-56.05	-61.36	-13.00	-43.05	5.31 Peak
2 pp	2019.00	-27.80	-38.05	-13.00	-14.80	10.25 Peak

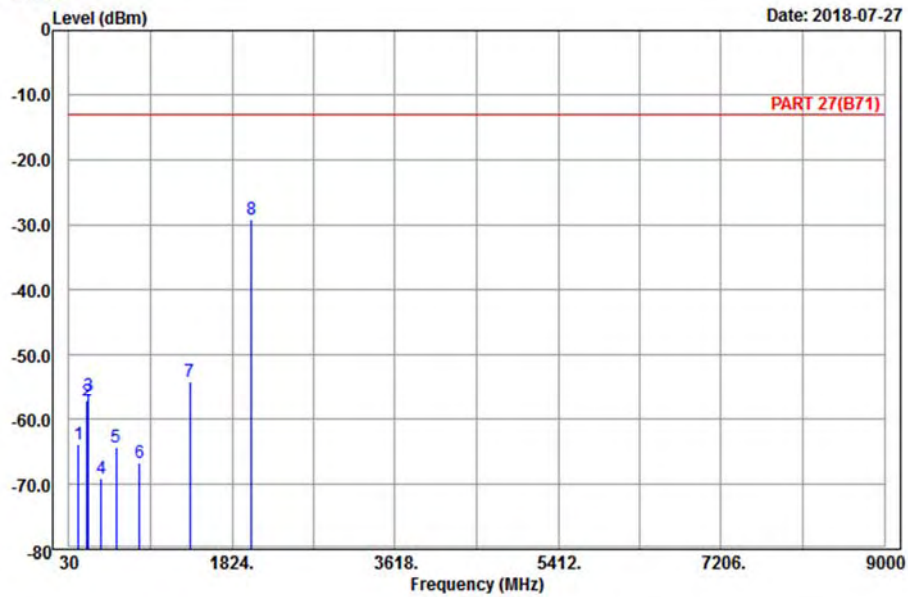
Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	TX channel 133297 (680.5MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1
Condition: PART 27(B71) Horizontal
Remark : LTE_Band 71_Link_CH133297
Tested by: Karl Lee

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	137.73	-63.92	-56.24	-13.00	-50.92	-7.68	Peak
2	225.48	-57.09	-51.26	-13.00	-44.09	-5.83	Peak
3	247.89	-56.14	-50.61	-13.00	-43.14	-5.53	Peak
4	387.50	-69.10	-65.74	-13.00	-56.10	-3.36	Peak
5	547.10	-64.39	-62.52	-13.00	-51.39	-1.87	Peak
6	806.10	-66.72	-68.66	-13.00	-53.72	1.94	Peak
7	1361.00	-54.01	-59.58	-13.00	-41.01	5.57	Peak
8 pp	2041.50	-29.13	-39.55	-13.00	-16.13	10.42	Peak

Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	TX channel 133297 (680.5MHz)
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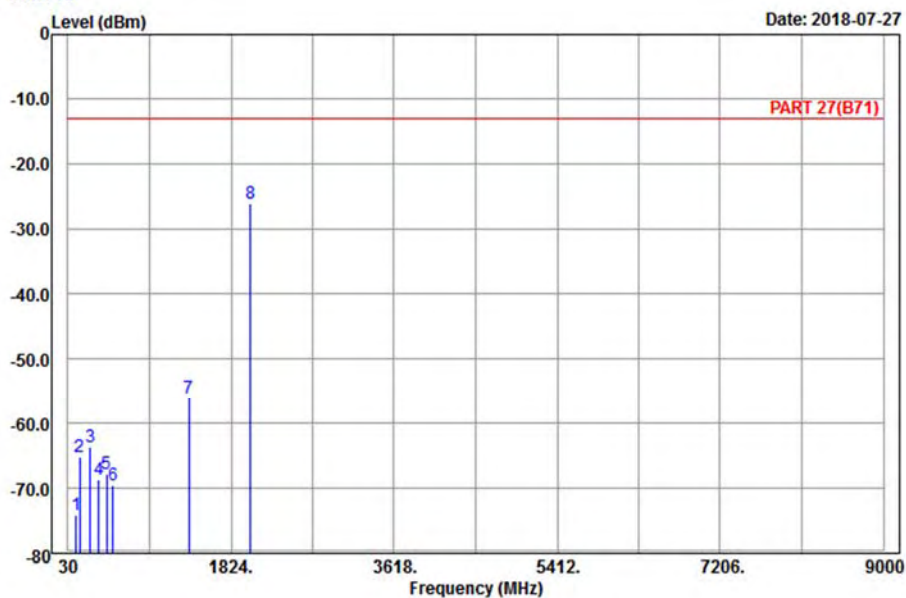


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10

Date: 2018-07-27



Site : 966 chamber 1
Condition: PART 27(B71) Vertical
Remark : LTE_Band 71_Link_CH133297
Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	120.99	-74.12	-65.93	-13.00	-61.12	-8.19 Peak
2	158.52	-65.27	-57.55	-13.00	-52.27	-7.72 Peak
3	277.32	-63.72	-57.96	-13.00	-50.72	-5.76 Peak
4	370.70	-68.72	-64.43	-13.00	-55.72	-4.29 Peak
5	457.50	-67.76	-63.69	-13.00	-54.76	-4.07 Peak
6	528.20	-69.60	-66.38	-13.00	-56.60	-3.22 Peak
7	1361.00	-56.05	-61.62	-13.00	-43.05	5.57 Peak
8 pp	2041.50	-26.07	-36.49	-13.00	-13.07	10.42 Peak

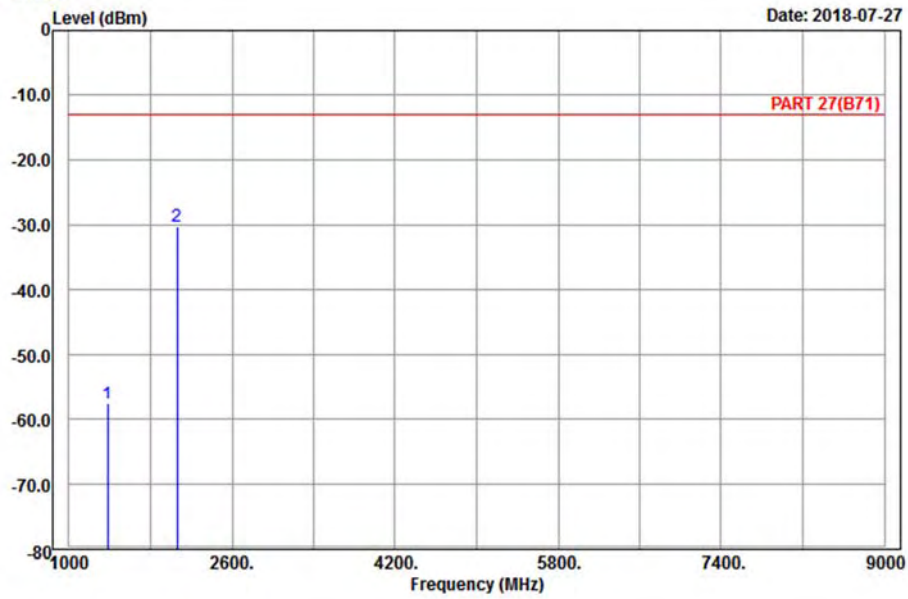
Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	TX channel 133372 (688.0MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 27(B71) Horizontal
 Remark : LTE_Band 71_Link_CH133372
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1376.00	-57.46	-63.29	-13.00	-44.46	5.83 Peak
2 pp	2064.00	-30.29	-40.88	-13.00	-17.29	10.59 Peak

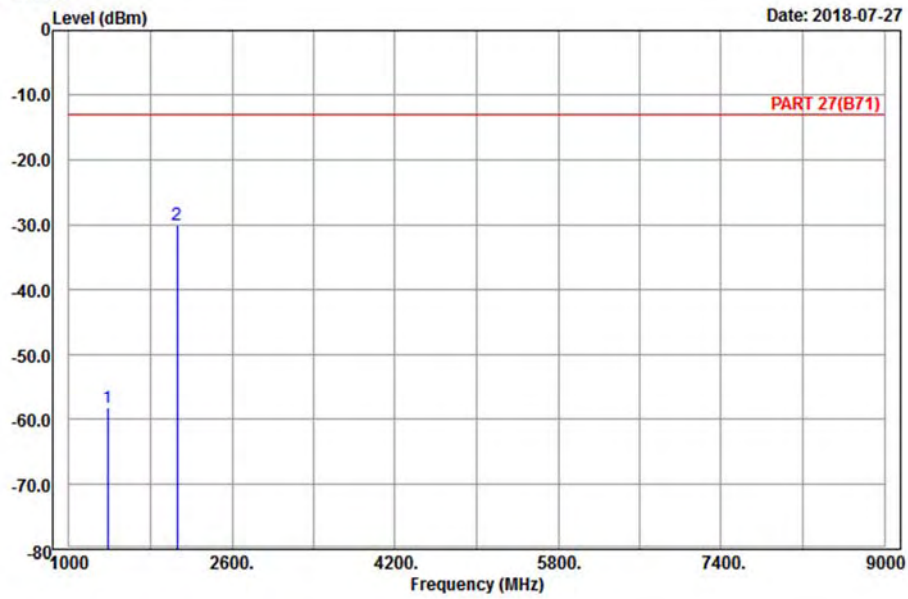
Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	TX channel 133372 (688.0MHz)
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Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 27(B71) Vertical
 Remark : LTE_Band 71_Link_CH133372
 Tested by: Karl Lee

	Read	Limit	Over			
Freq	Level	Level	Line	Limit	Factor	Remark
MHz	dBm	dBm	dBm	dB	dB	
1	1376.00	-58.23	-64.06	-13.00	-45.23	5.83 Peak
2 pp	2064.00	-30.10	-40.69	-13.00	-17.10	10.59 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 and approved 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 Lab

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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