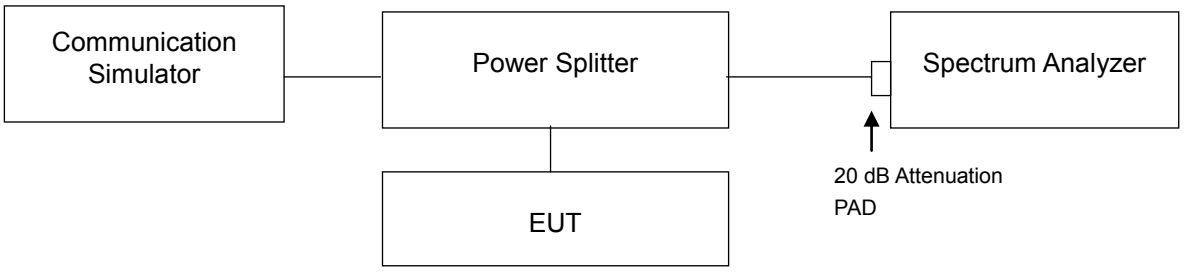
4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission is equal to -13 dBm.

4.6.2 Test Setup

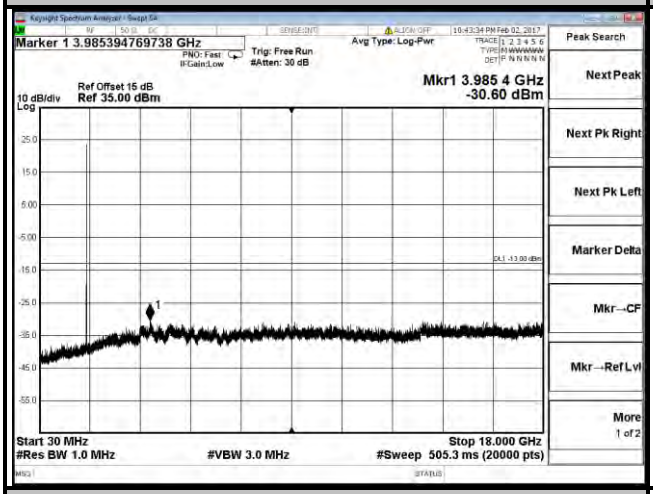
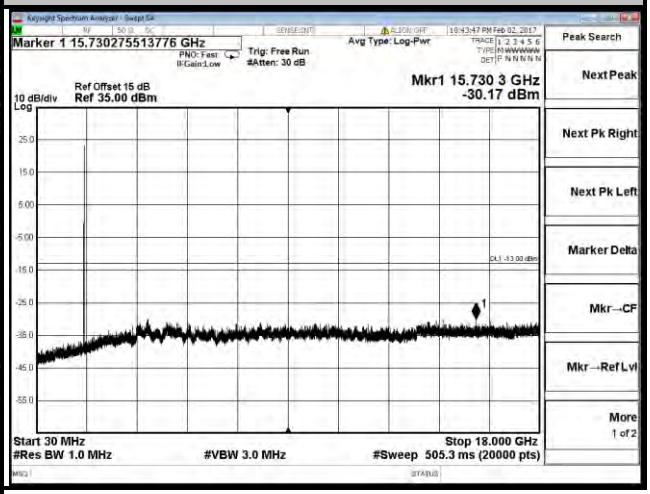
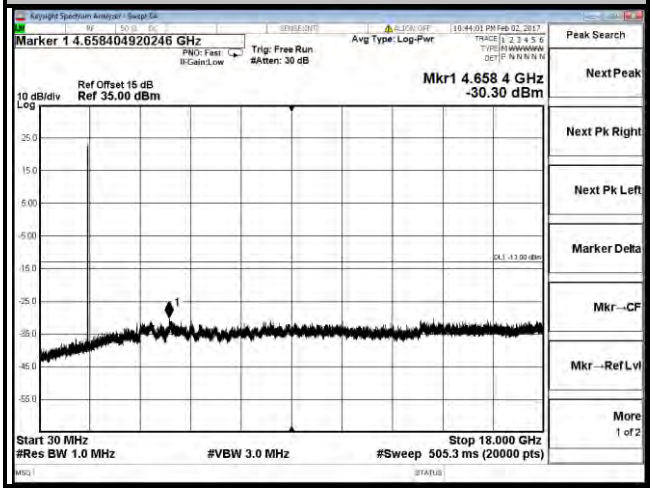


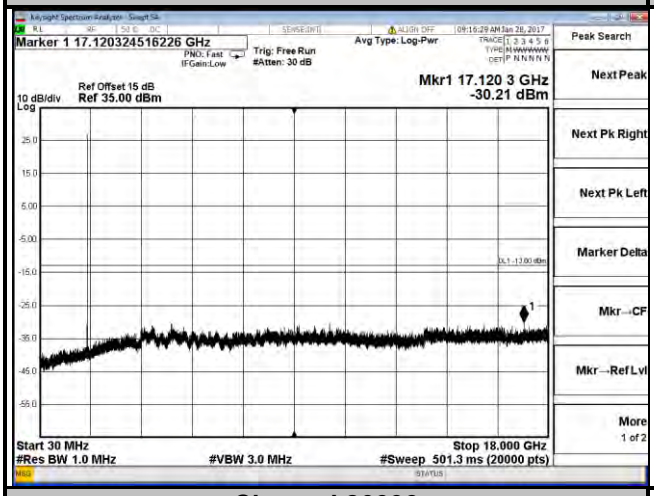
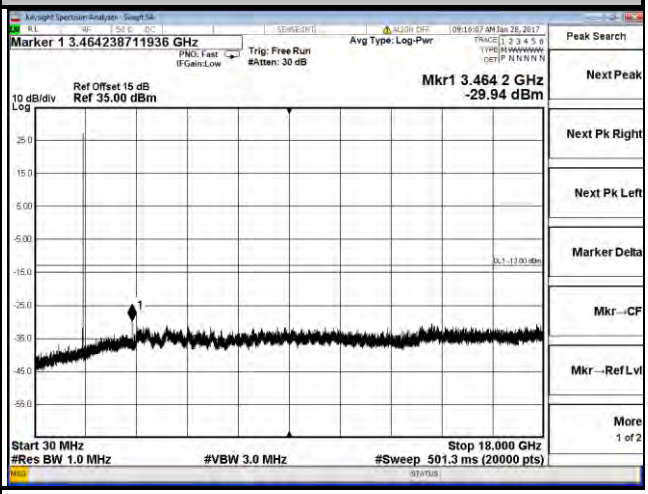
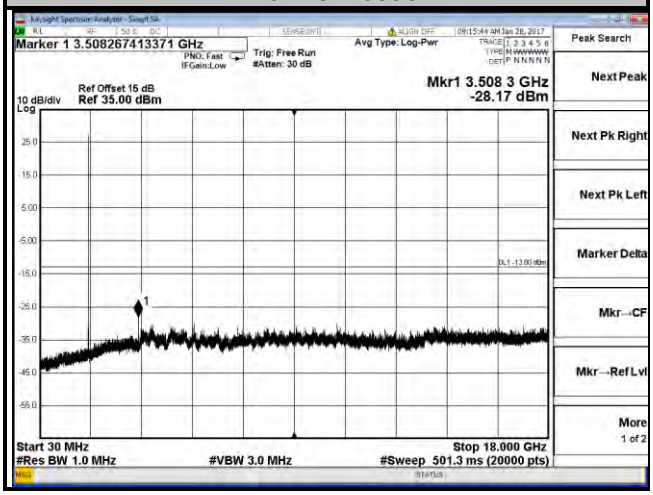
4.6.3 Test Procedure

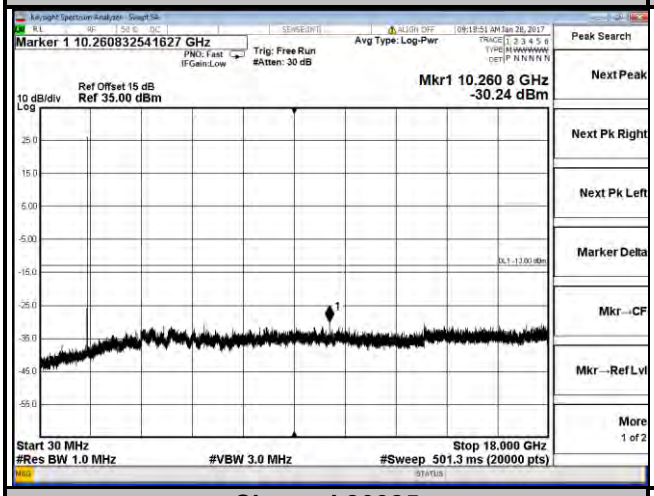
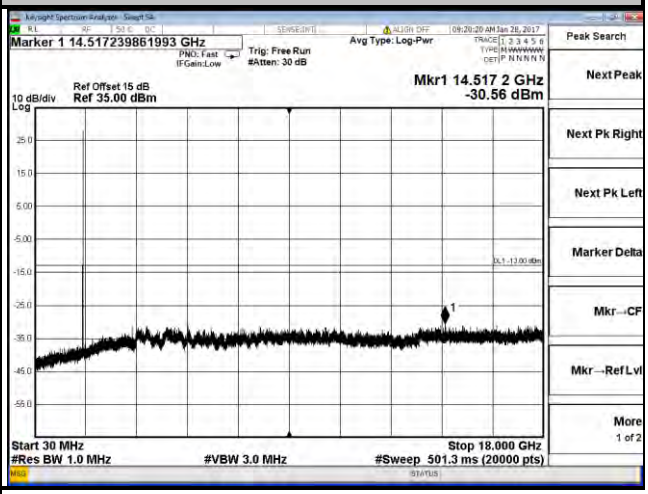
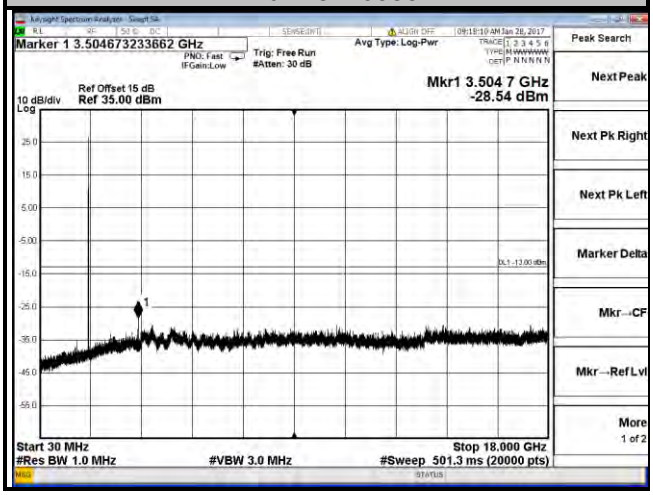
a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.

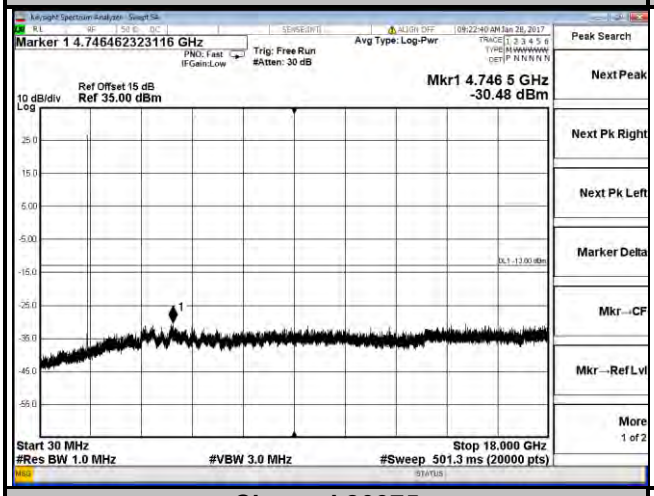
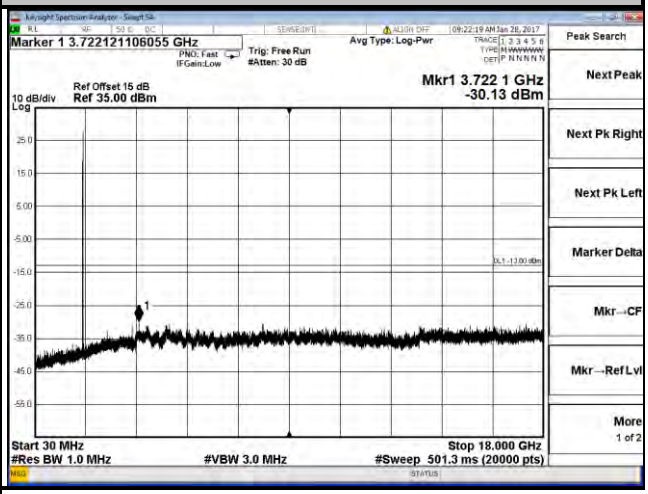
b. Measuring frequency range is from 30 MHz to 8 GHz for LTE Band 17 and from 30 MHz to 18 GHz for LTE Band 4. 10 dB attenuation pad is connected with spectrum. RBW=1 MHz and VBW=3 MHz are used for conducted emission measurement.

4.6.4 Test Results

WCDMA	
Channel 1312	Channel 1413
	
Channel 1513	
	

LTE Band 4	
Channel Bandwidth: 1.4 MHz	
Channel 19957	Channel 20175
	
Channel 20393	
	

LTE Band 4	
Channel Bandwidth: 3 MHz	
Channel 19965	Channel 20175
	
Channel 20385	
	

LTE Band 4	
Channel Bandwidth: 5 MHz	
Channel 19975	Channel 20175
	
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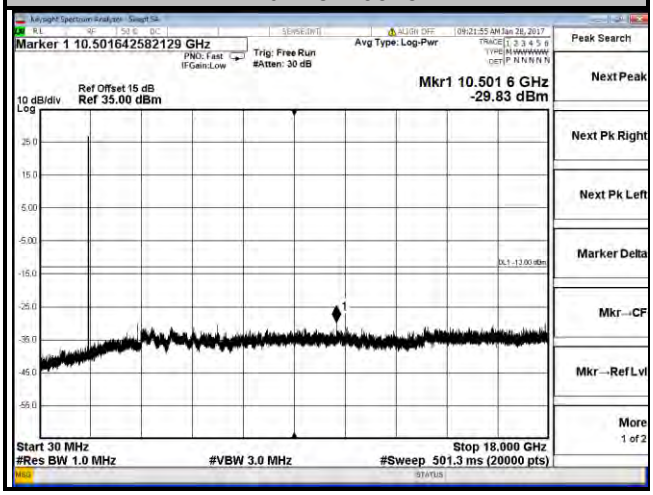
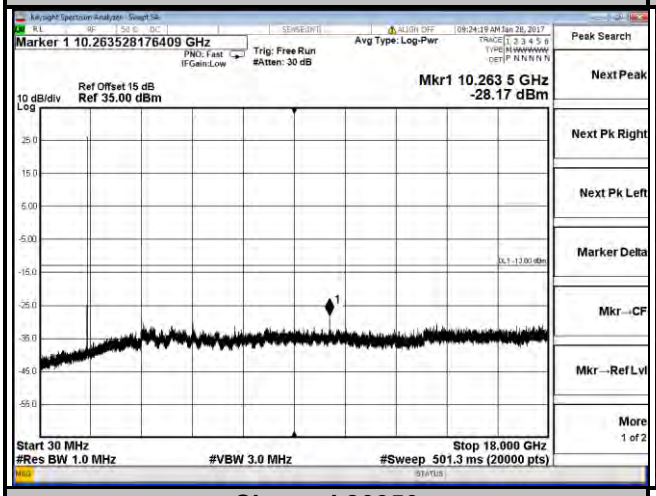
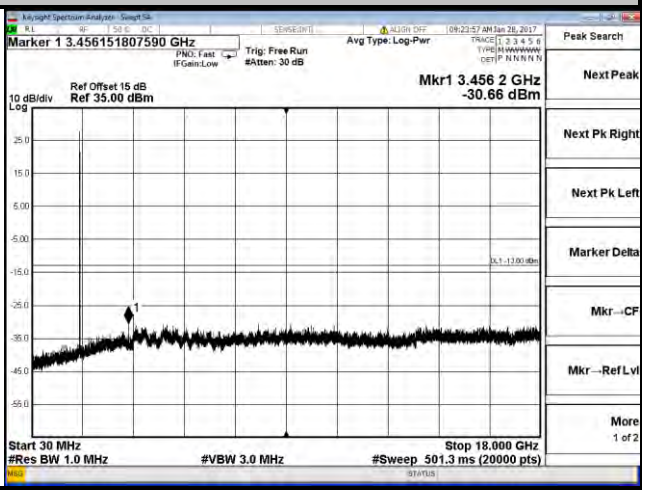
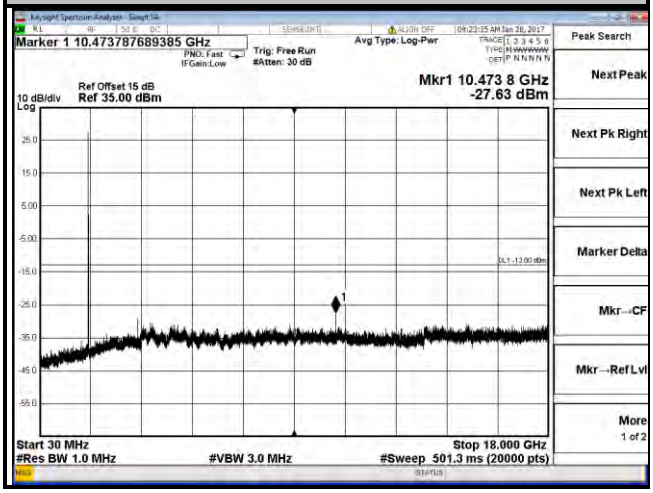
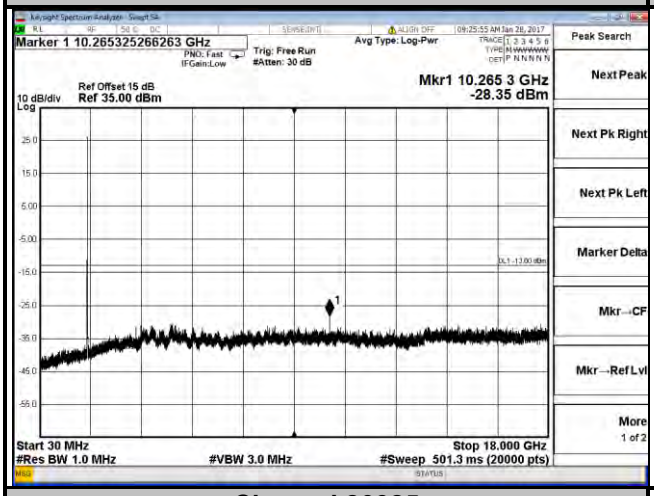
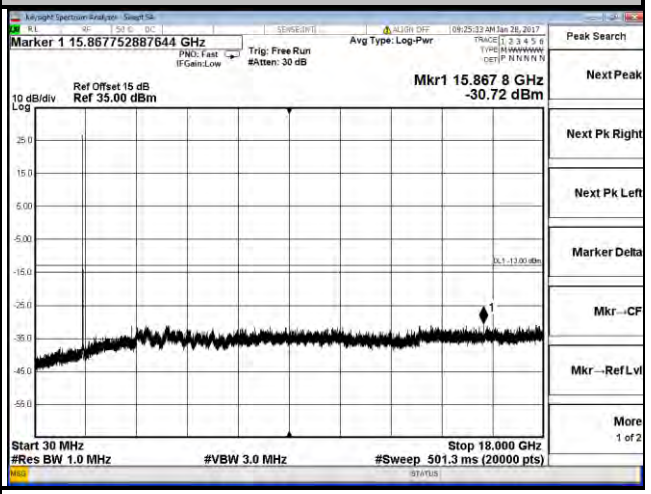
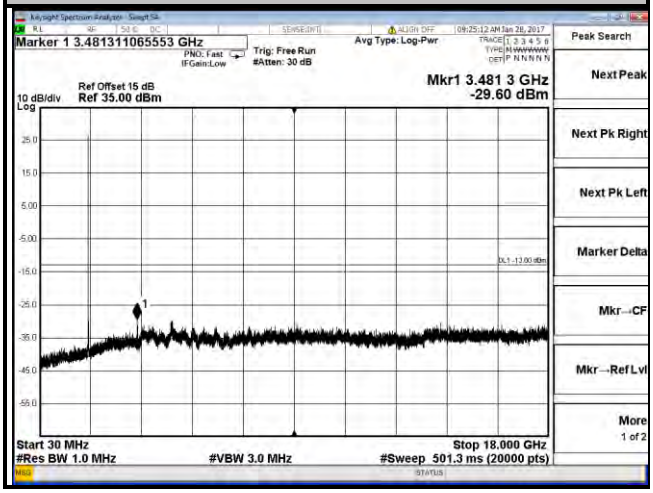
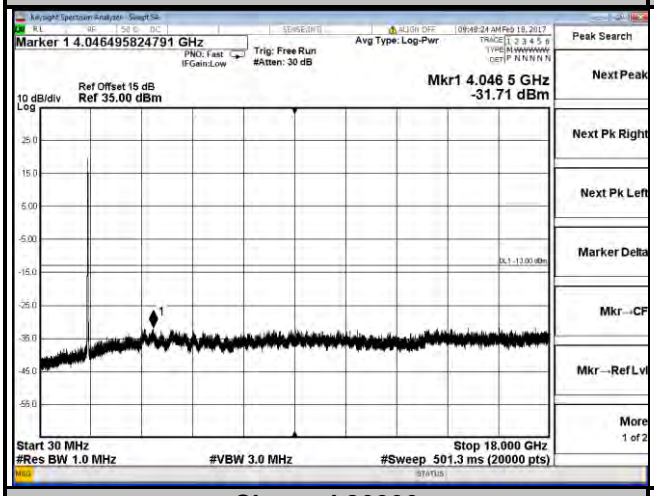
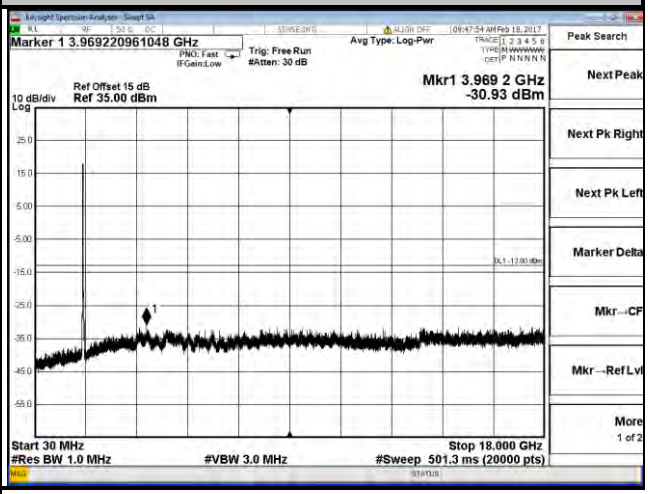
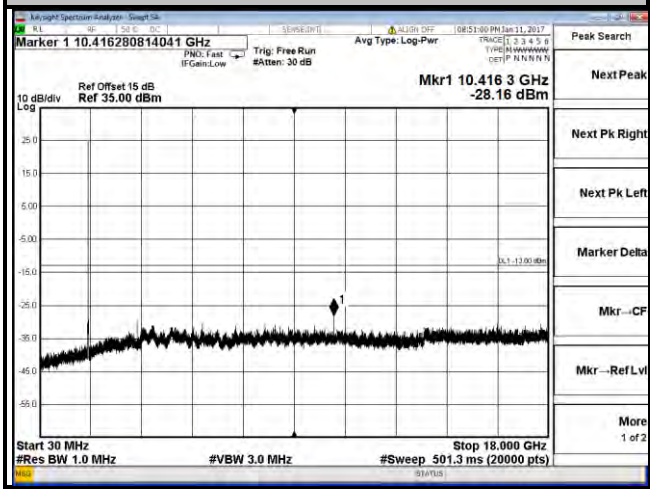
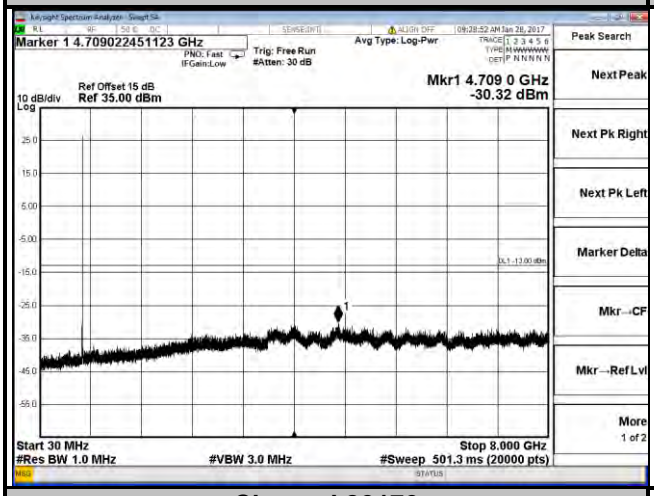
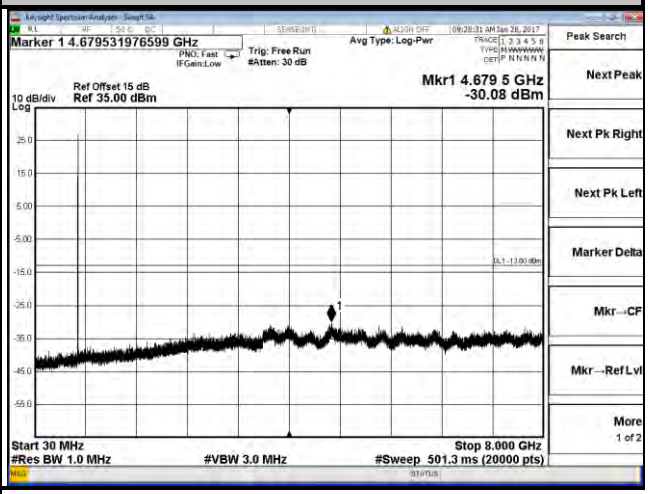
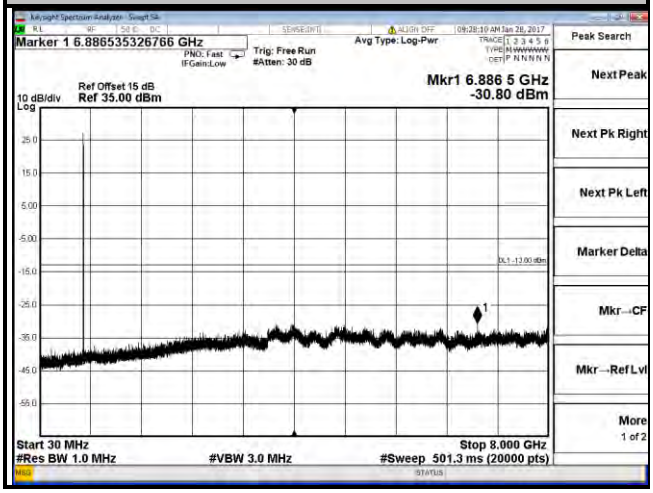
	

LTE Band 4	
Channel Bandwidth: 10 MHz	
Channel 20000	Channel 20175
	
Channel 20350	
	

LTE Band 4	
Channel Bandwidth: 15 MHz	
Channel 20025	Channel 20175
	
Channel 20325	
	

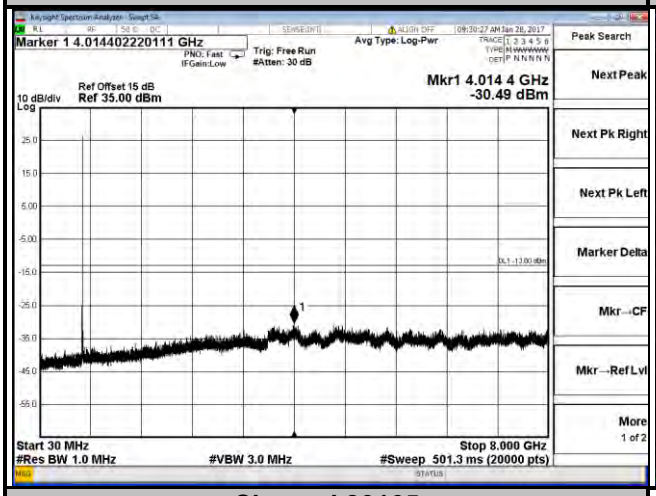
LTE Band 4	
Channel Bandwidth: 20 MHz	
Channel 20050	Channel 20175
	
Channel 20300	
	

LTE Band 12	
Channel Bandwidth: 1.4 MHz	
Channel 23017	Channel 23095
	
Channel 23173	
	

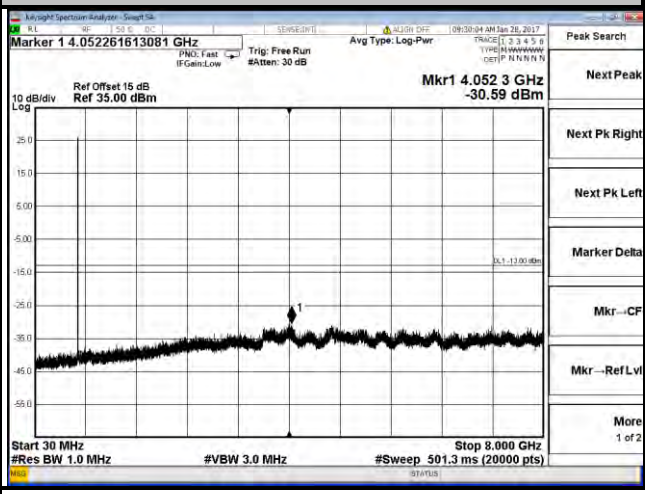
LTE Band 12

Channel Bandwidth: 3 MHz

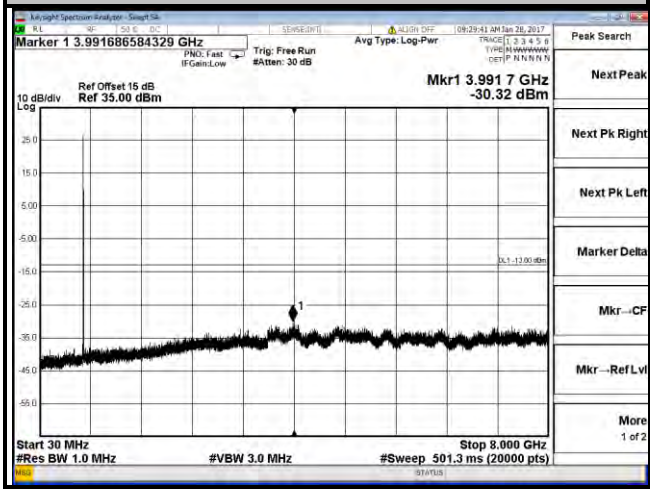
Channel 23025



Channel 23095



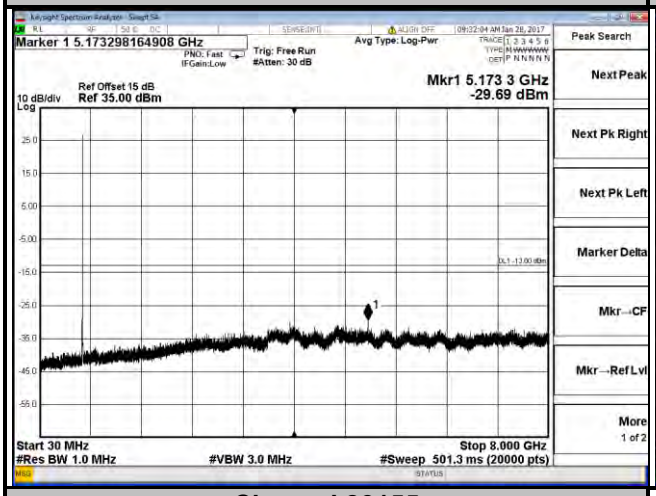
Channel 23165



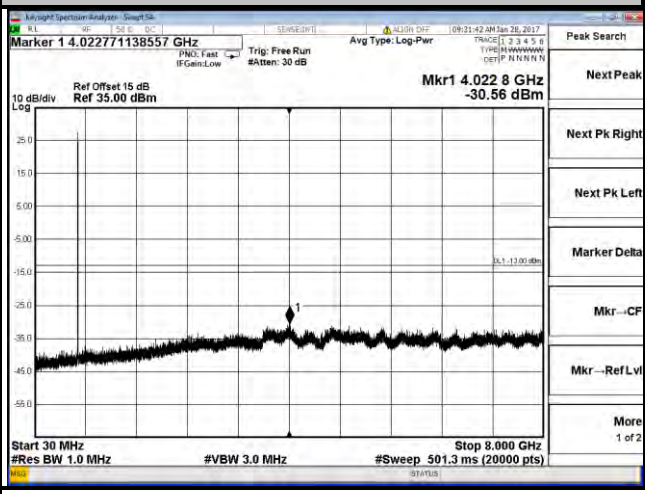
LTE Band 12

Channel Bandwidth: 5 MHz

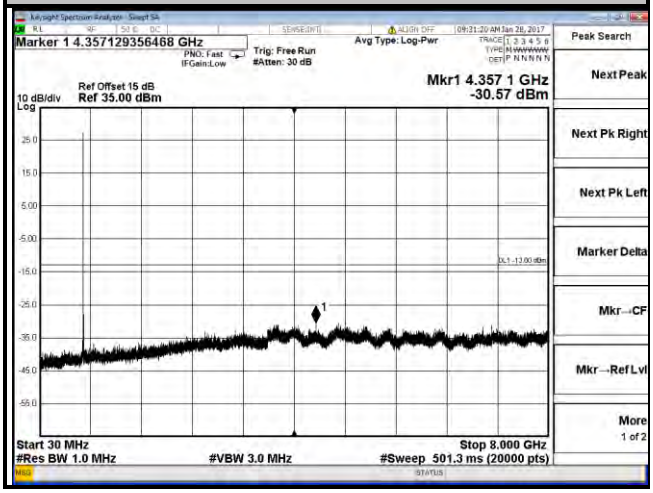
Channel 23035

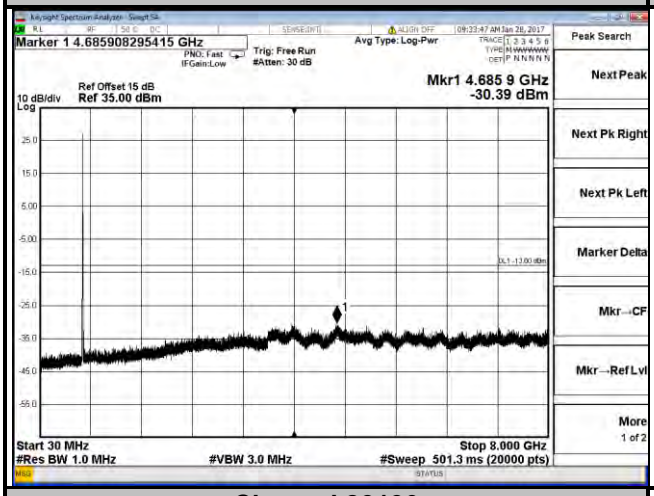
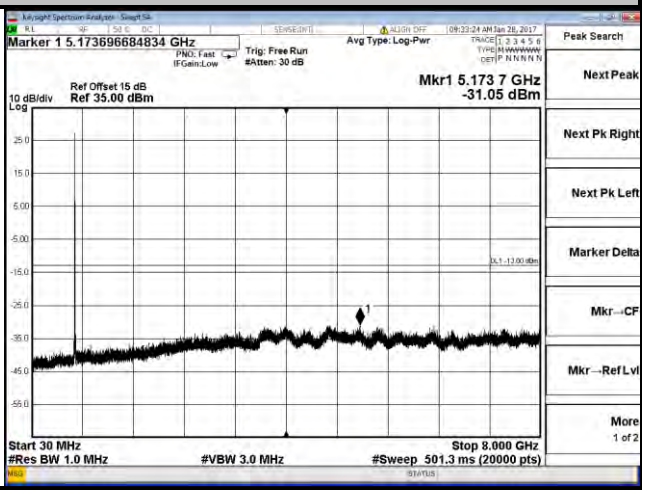
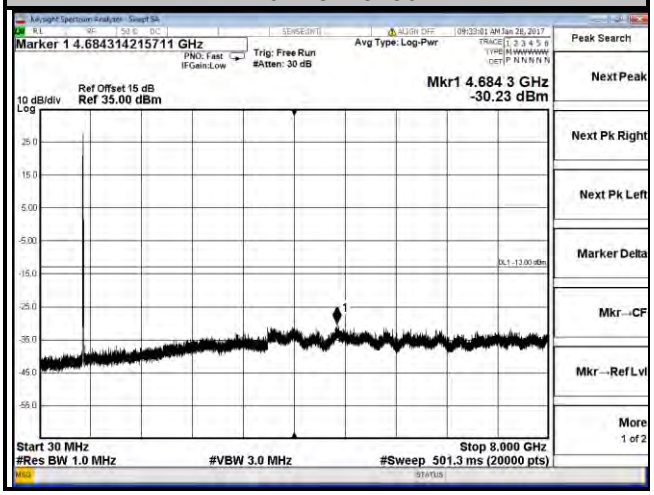


Channel 23095



Channel 23155

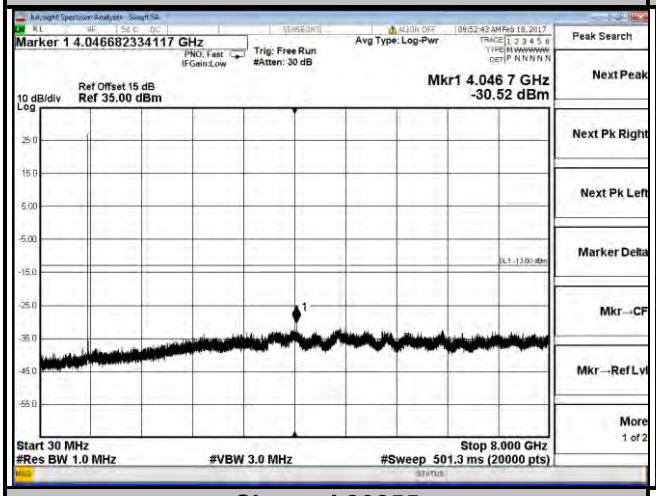


LTE Band 12	
Channel Bandwidth: 10 MHz	
Channel 23060	Channel 23095
	
Channel 23130	
	

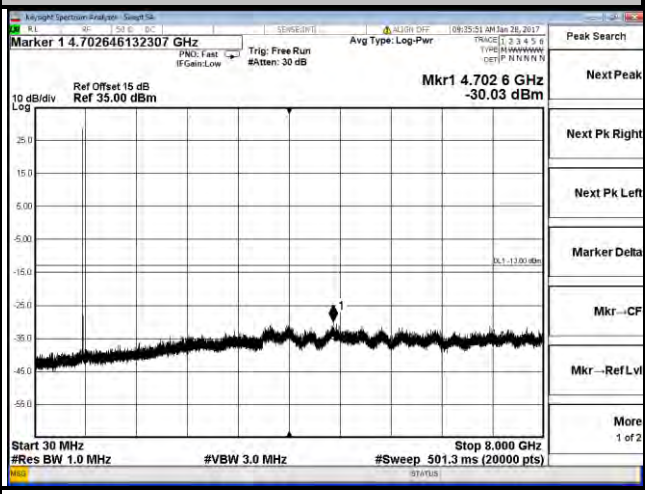
LTE Band 13

Channel Bandwidth: 5 MHz

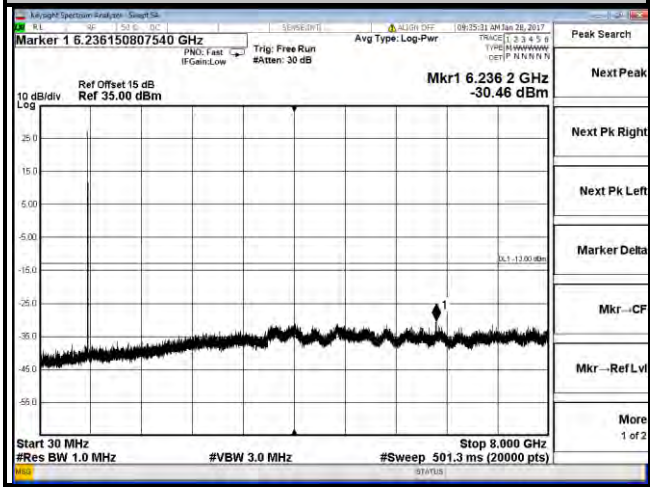
Channel 23205



Channel 23230



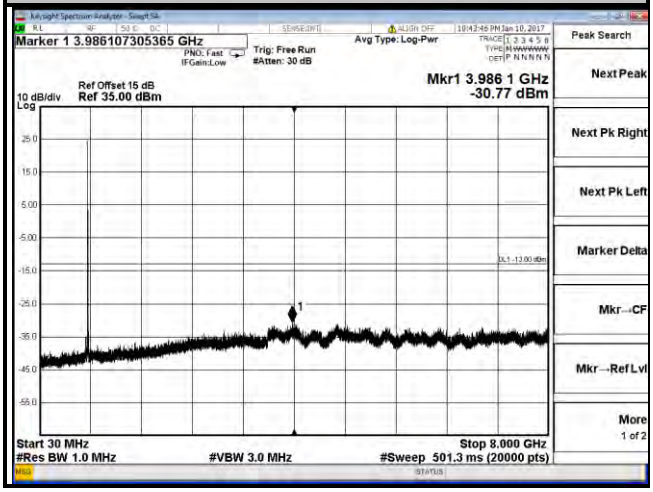
Channel 23255

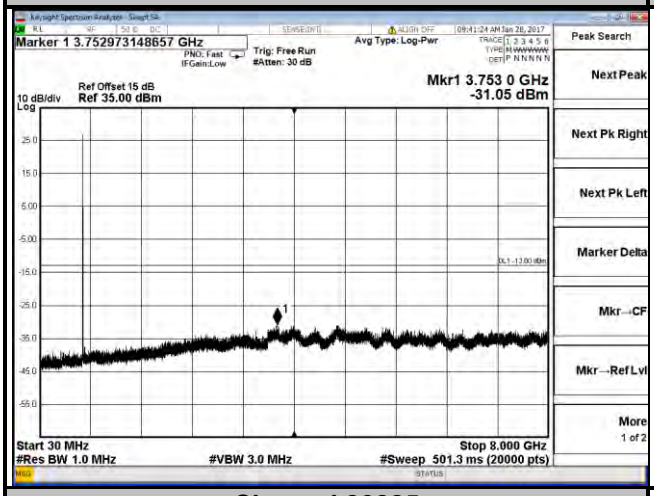
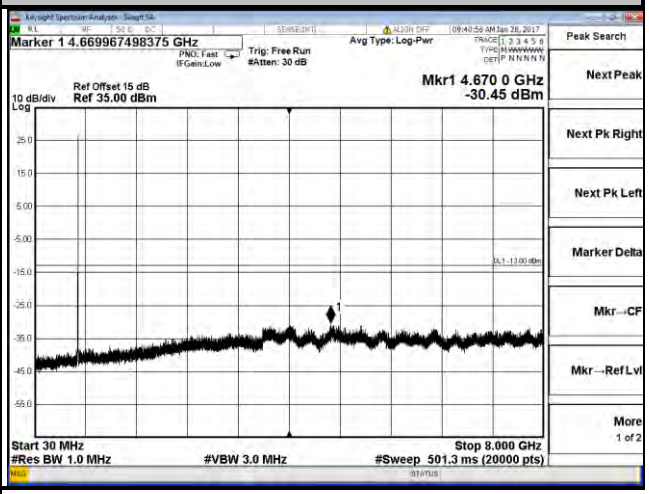
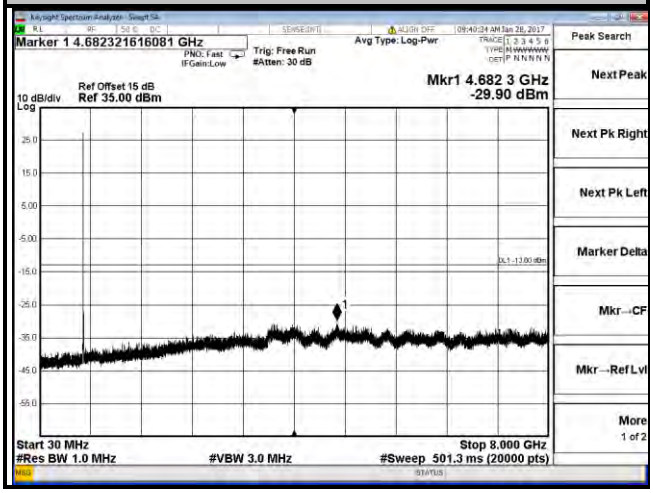


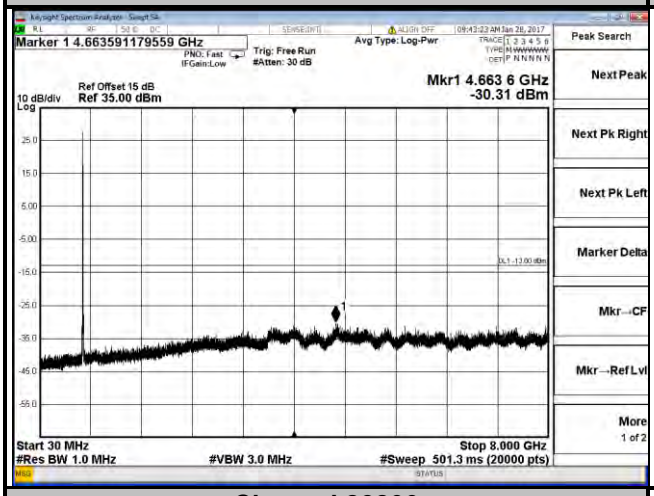
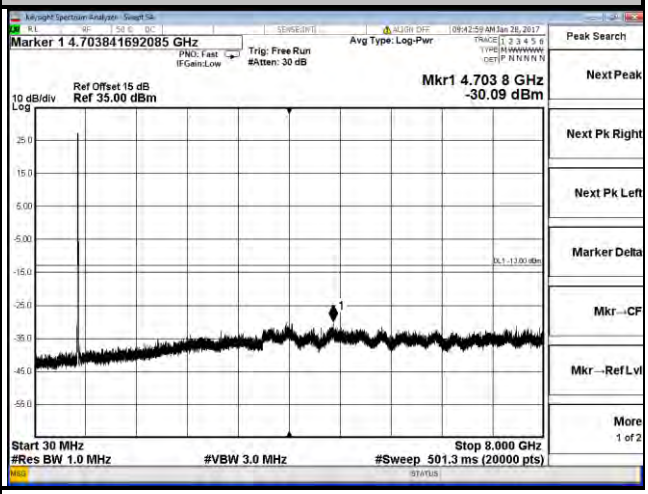
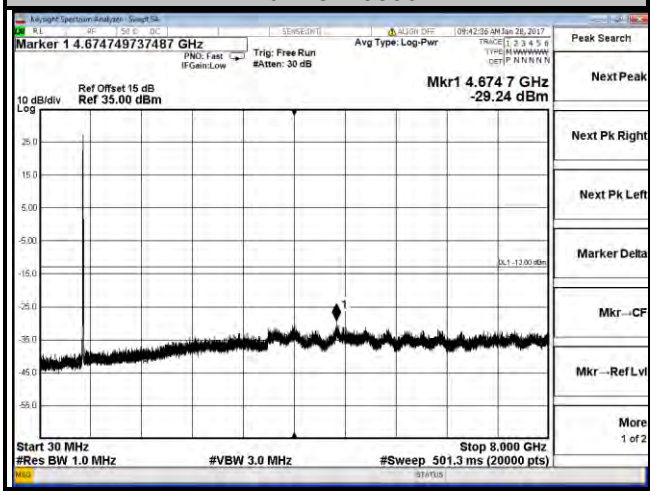
LTE Band 13

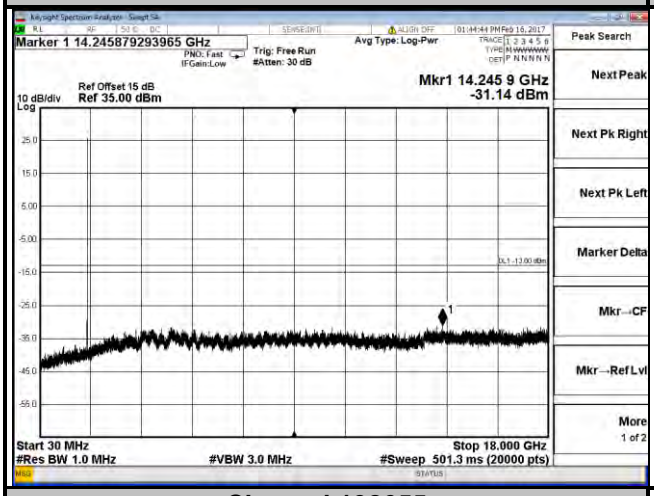
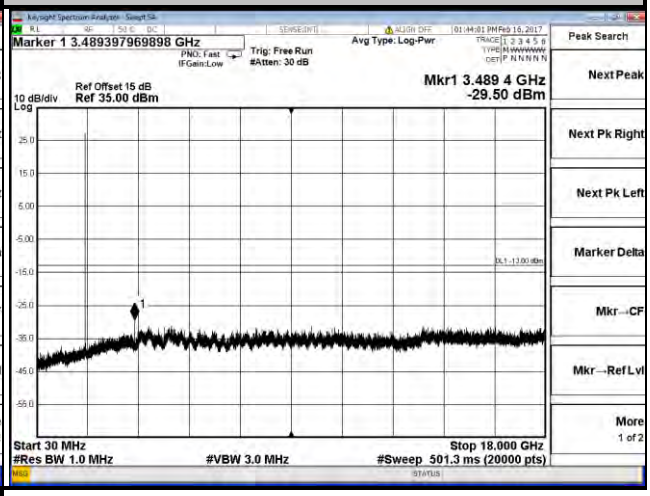
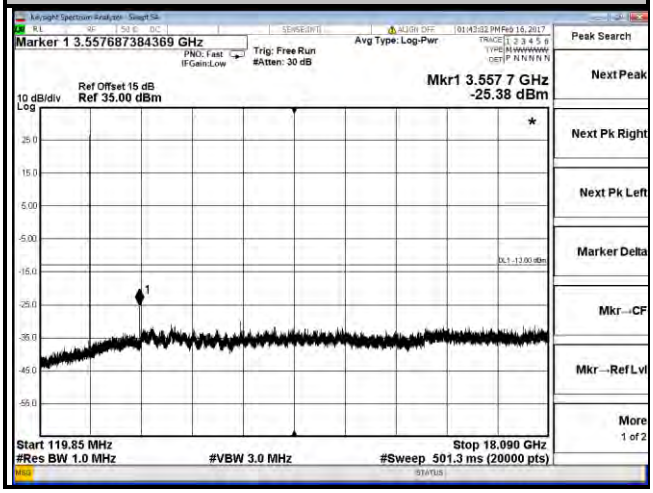
Channel Bandwidth: 10 MHz

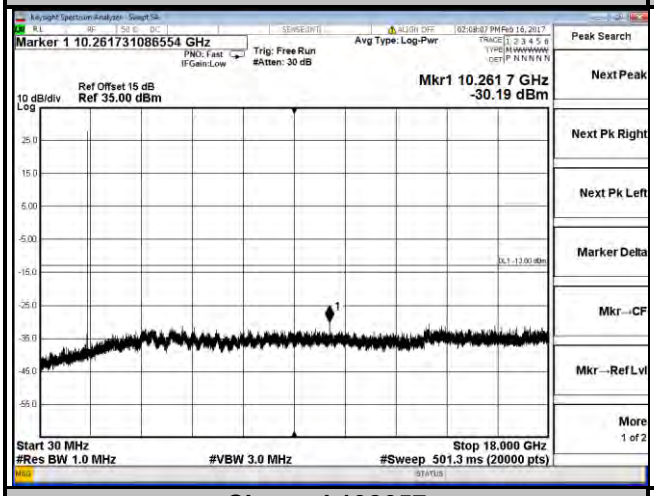
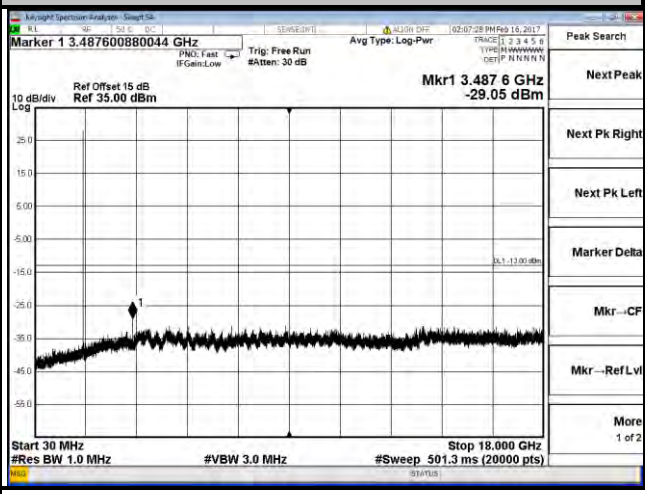
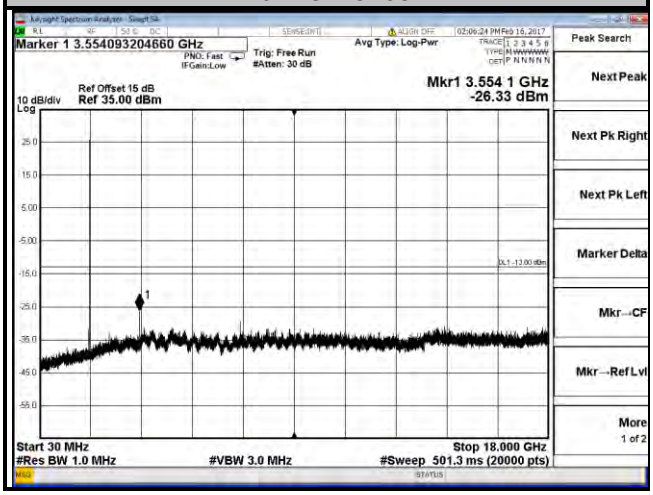
Channel 23230

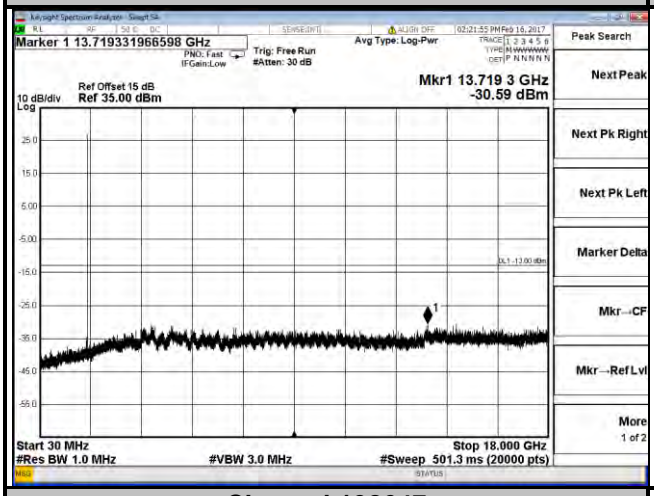
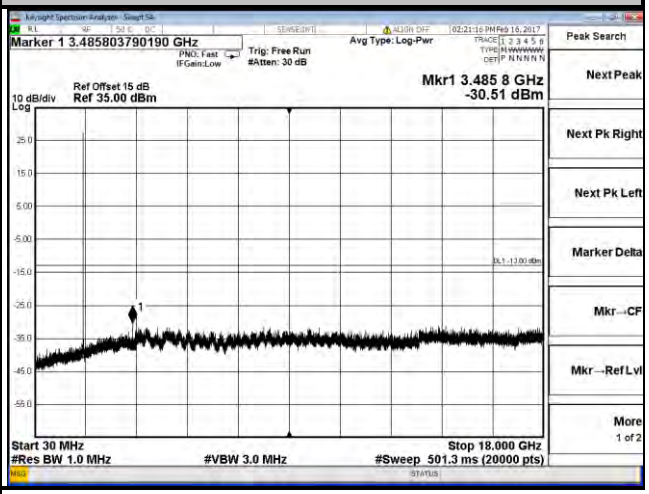
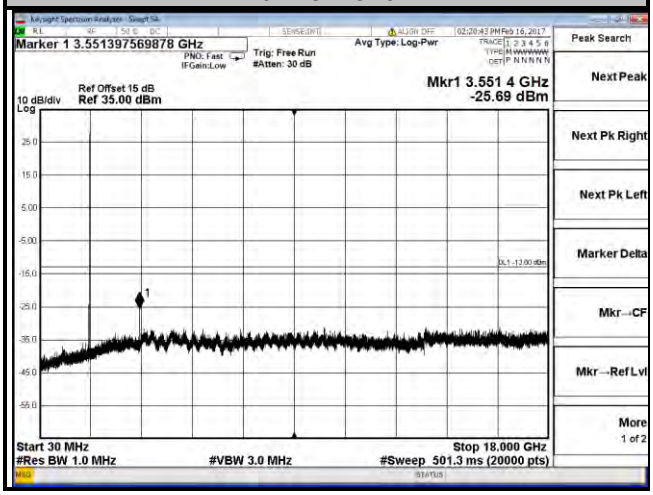


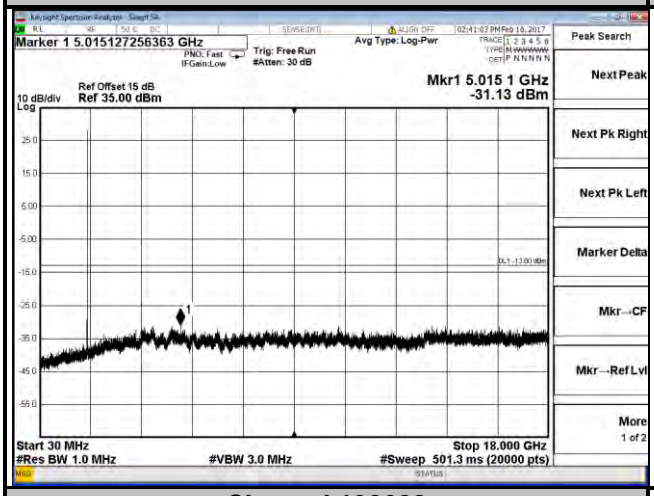
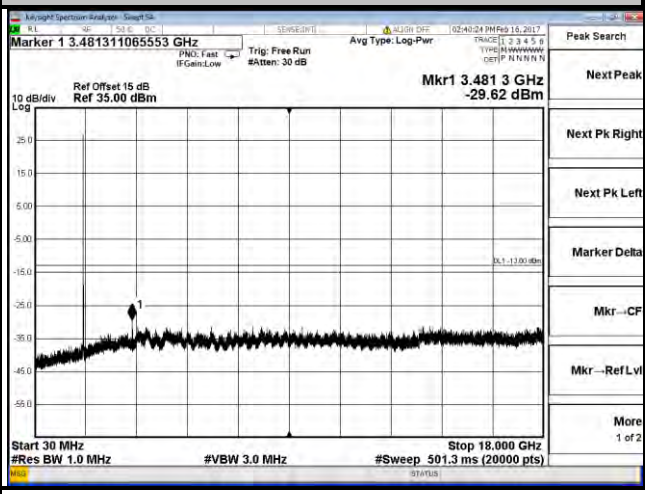
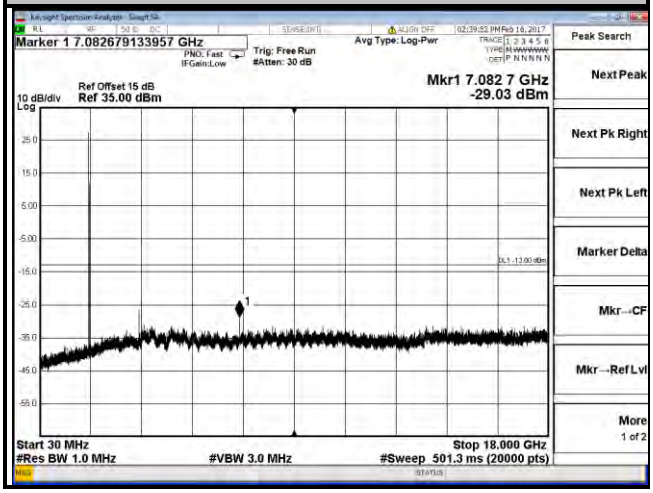
LTE Band 17	
Channel Bandwidth: 5 MHz	
Channel 23755	Channel 23790
	
Channel 23825	
	

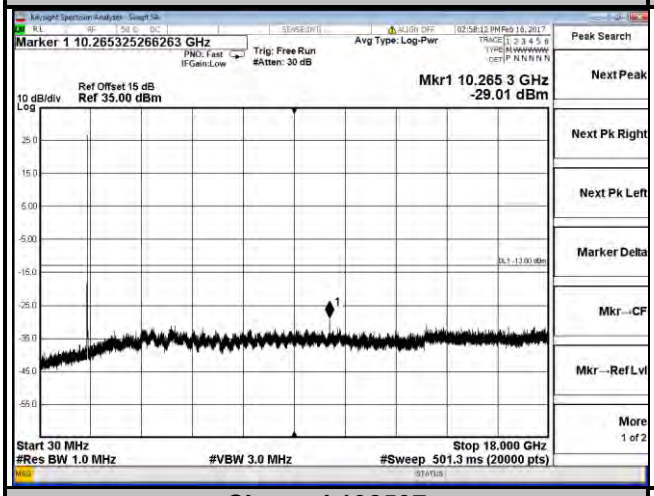
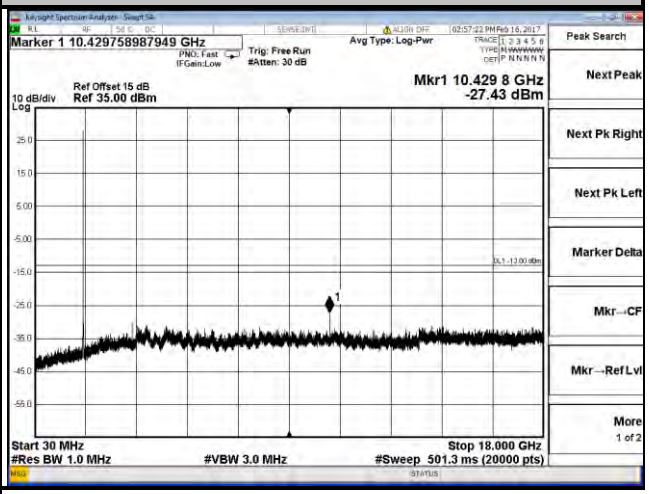
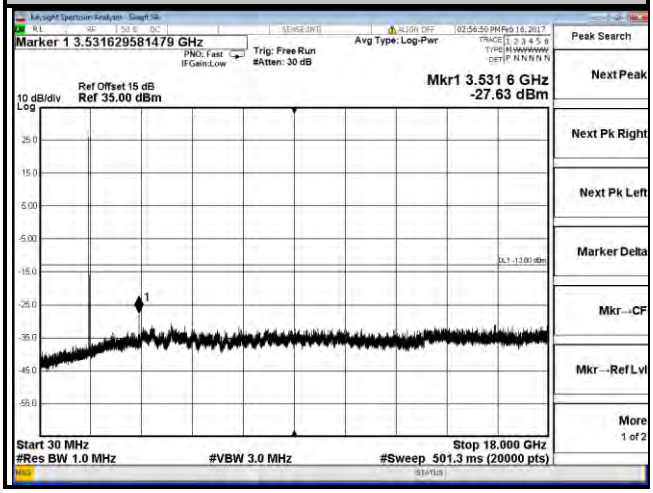
LTE Band 17	
Channel Bandwidth: 10 MHz	
Channel 23780	Channel 23790
	
Channel 23800	
	

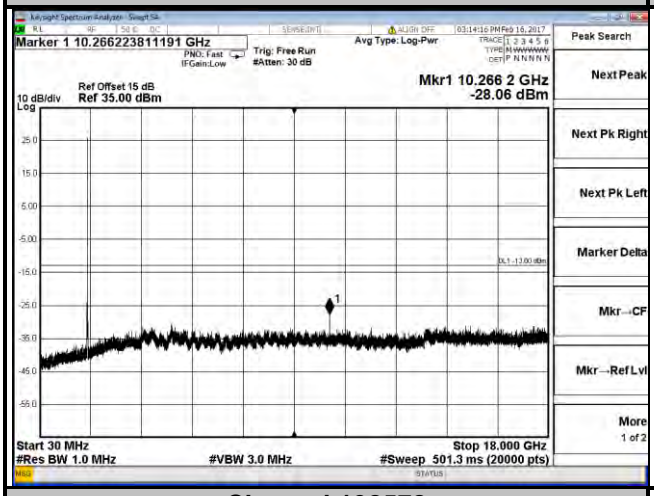
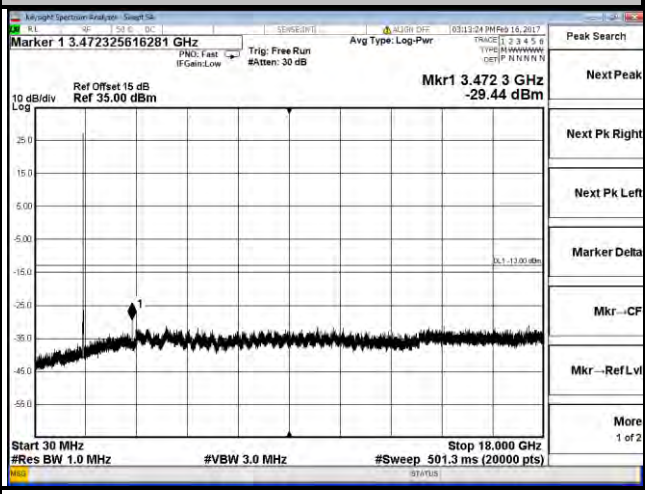
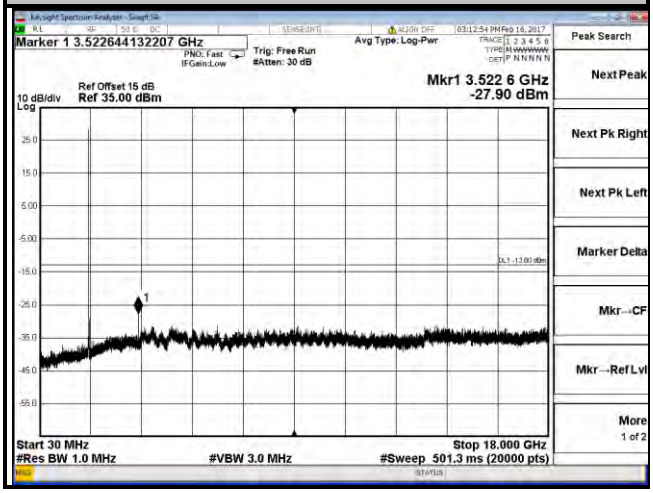
LTE Band 66	
Channel Bandwidth: 1.4 MHz	
Channel 131979	Channel 132322
	
Channel 132655	
	

LTE Band 66	
Channel Bandwidth: 3 MHz	
Channel 131987	Channel 132322
	
Channel 132657	
	

LTE Band 66	
Channel Bandwidth: 5 MHz	
Channel 131997	Channel 132322
	
Channel 132647	
	

LTE Band 66	
Channel Bandwidth: 10 MHz	
Channel 132022	Channel 132322
	
Channel 132622	
	

LTE Band 66	
Channel Bandwidth: 15 MHz	
Channel 132047	Channel 132322
	
Channel 132597	
	

LTE Band 66	
Channel Bandwidth: 20 MHz	
Channel 132072	Channel 132322
	
Channel 132572	
	

4.7 Radiated Emission Measurement

4.7.1 Limits of Radiated Emission Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission is equal to -13 dBm.

4.7.2 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 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.

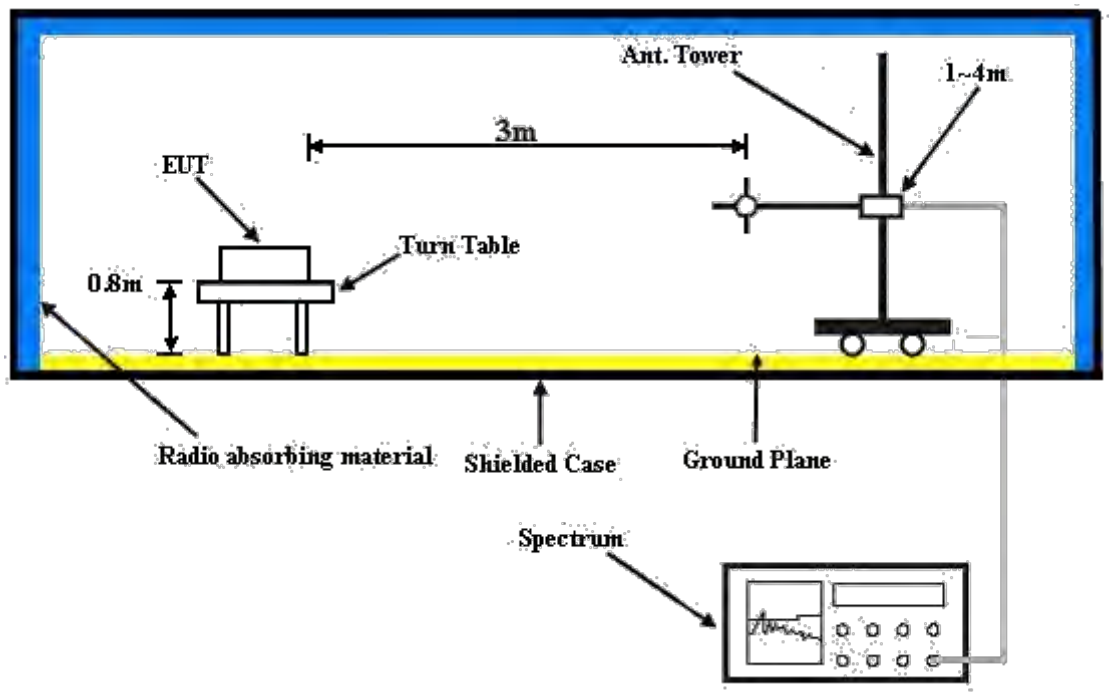
d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15 dBi.

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

4.7.3 Deviation from Test Standard

No deviation.

4.7.4 Test Setup

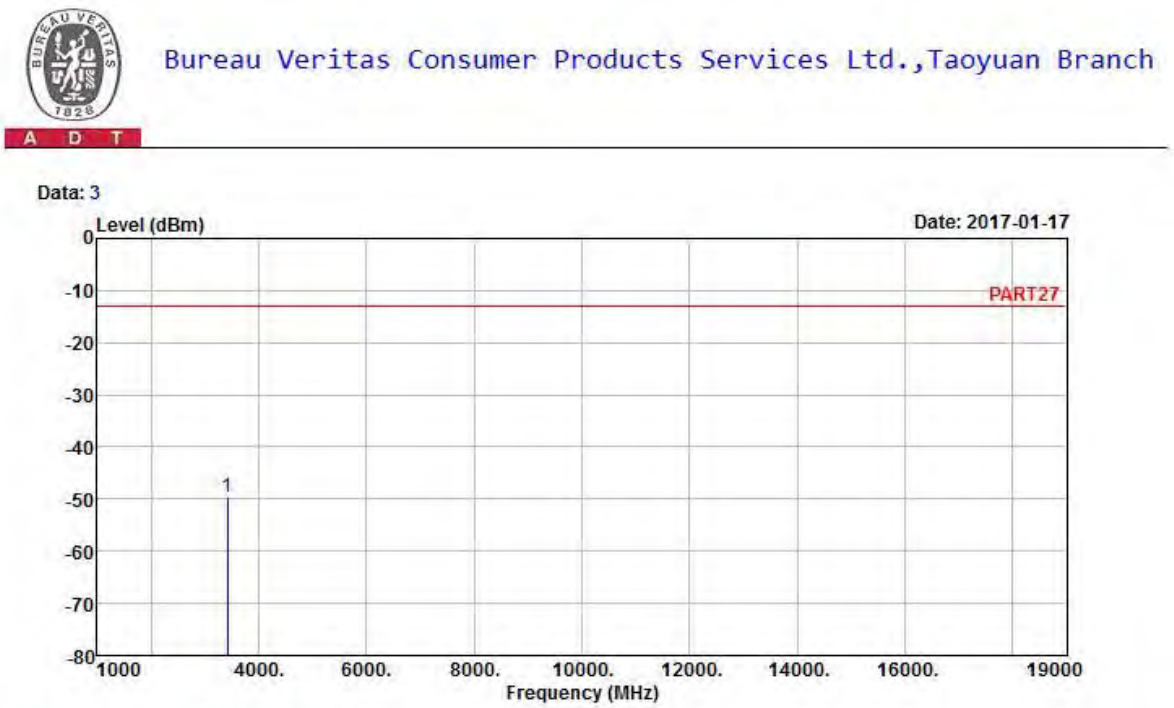


For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.7.5 Test Results

WCDMA:

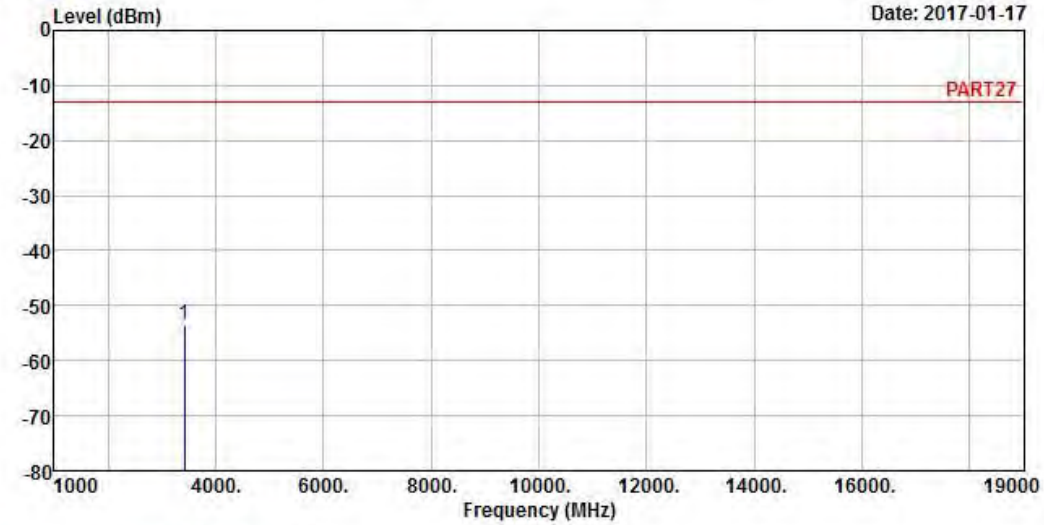
Low Channel



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : WCDMA Band 4 L-CH Link
Tested by: Gavin Wu

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3424.80	-49.72	-40.63	-13.00	-36.72	-9.09	Peak

Data: 4



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : WCDMA Band 4 L-CH Link
Tested by: Gavin Wu

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3424.80	-53.57	-44.48	-13.00	-40.57	-9.09	Peak

Middle Channel

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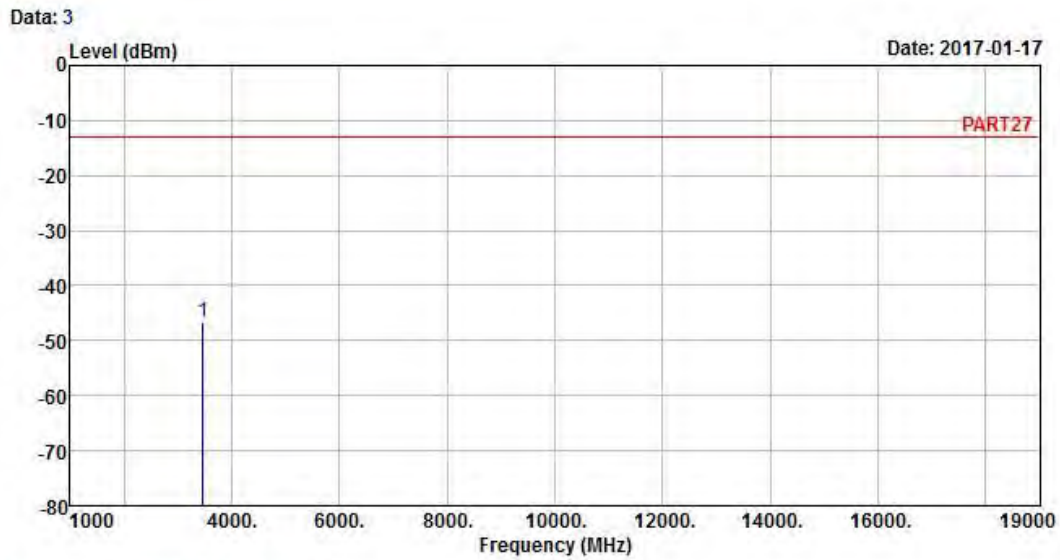
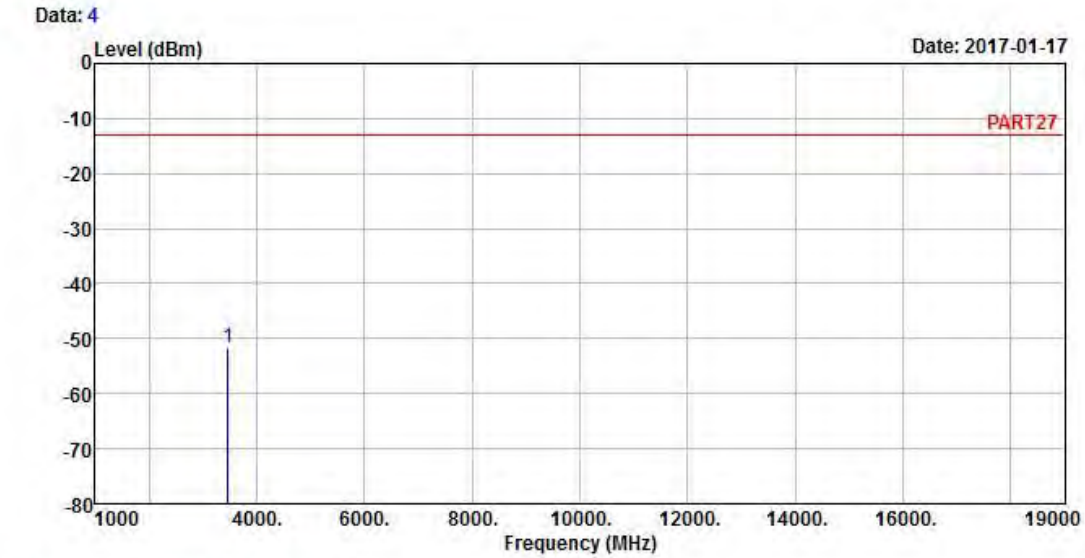


Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : WCDMA Band 4 M-CH Link
Tested by: Gavin Wu

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3465.20	-46.71	-37.80	-13.00	-33.71	-8.91	Peak



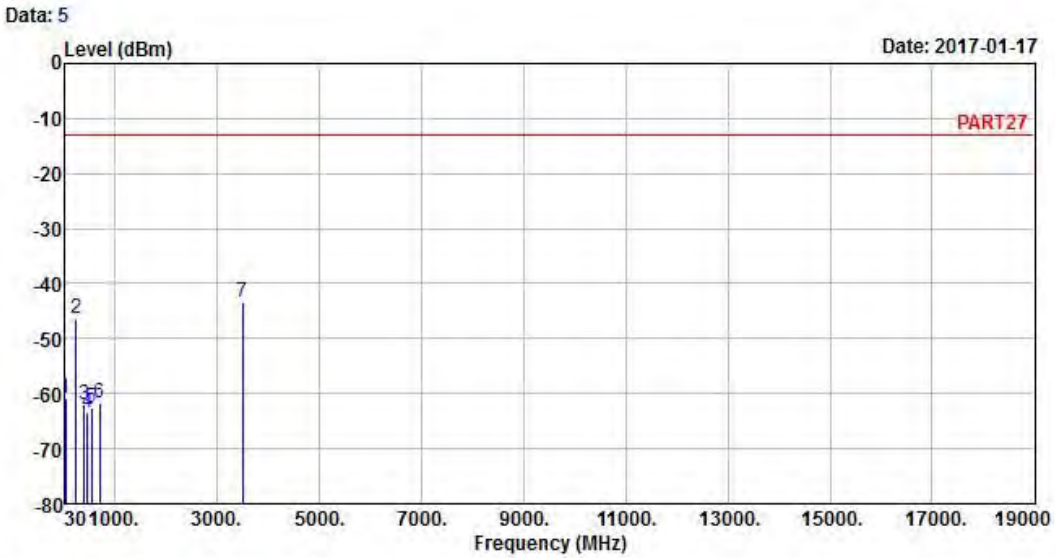
Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : WCDMA Band 4 M-CH Link
Tested by: Gavin Wu

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3465.20	-51.75	-42.84	-13.00	-38.75	-8.91	Peak

High Channel

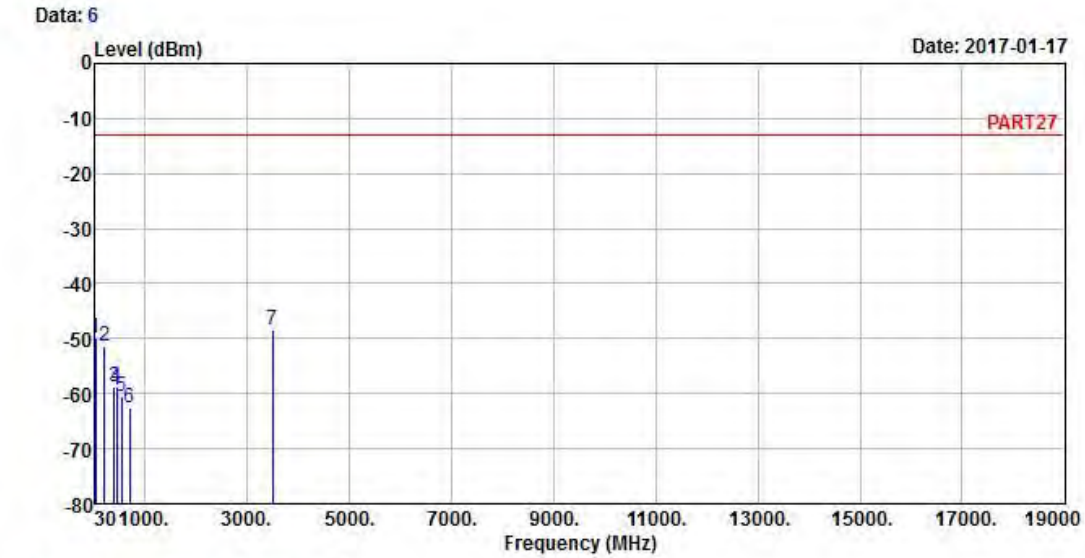
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : WCDMA Band 4 H-CH Link
Tested by: Gavin Wu

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	41.64	-60.71	-60.30	-13.00	-47.71	-0.41	Peak
2	234.67	-46.35	-39.73	-13.00	-33.35	-6.62	Peak
3	393.75	-61.94	-55.96	-13.00	-48.94	-5.98	Peak
4	456.80	-63.51	-58.09	-13.00	-50.51	-5.42	Peak
5	547.98	-62.69	-59.77	-13.00	-49.69	-2.92	Peak
6	704.15	-61.66	-61.64	-13.00	-48.66	-0.02	Peak
7 pp	3505.20	-43.49	-35.38	-13.00	-30.49	-8.11	Peak

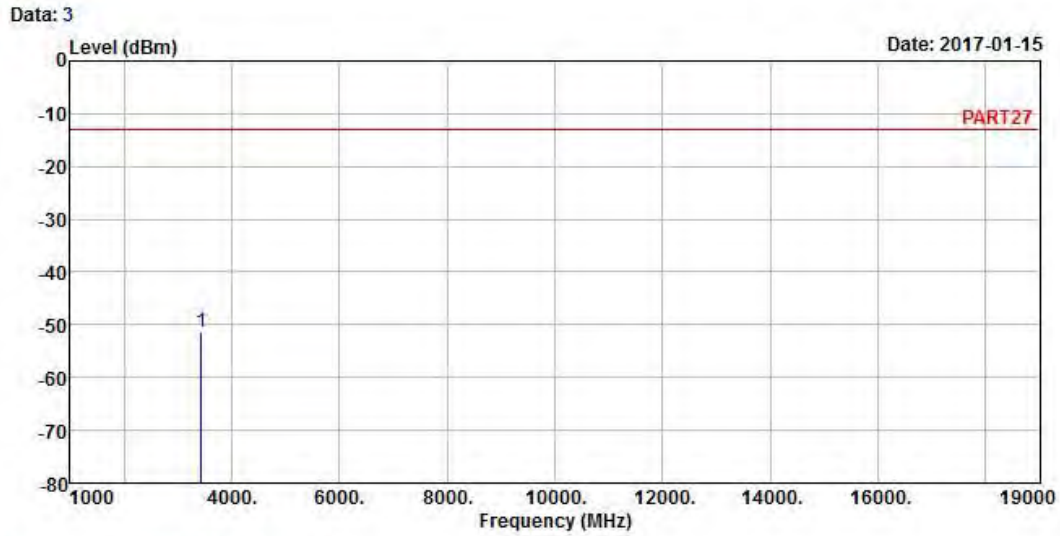


Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : WCDMA Band 4 H-CH Link
Tested by: Gavin Wu

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	40.67	-49.90	-50.02	-13.00	-36.90	0.12	Peak
2	208.48	-51.28	-43.61	-13.00	-38.28	-7.67	Peak
3	398.60	-58.60	-52.65	-13.00	-45.60	-5.95	Peak
4	454.86	-58.64	-53.18	-13.00	-45.64	-5.46	Peak
5	547.98	-60.45	-57.53	-13.00	-47.45	-2.92	Peak
6	700.27	-62.50	-62.40	-13.00	-49.50	-0.10	Peak
7 pp	3505.20	-48.27	-40.16	-13.00	-35.27	-8.11	Peak

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

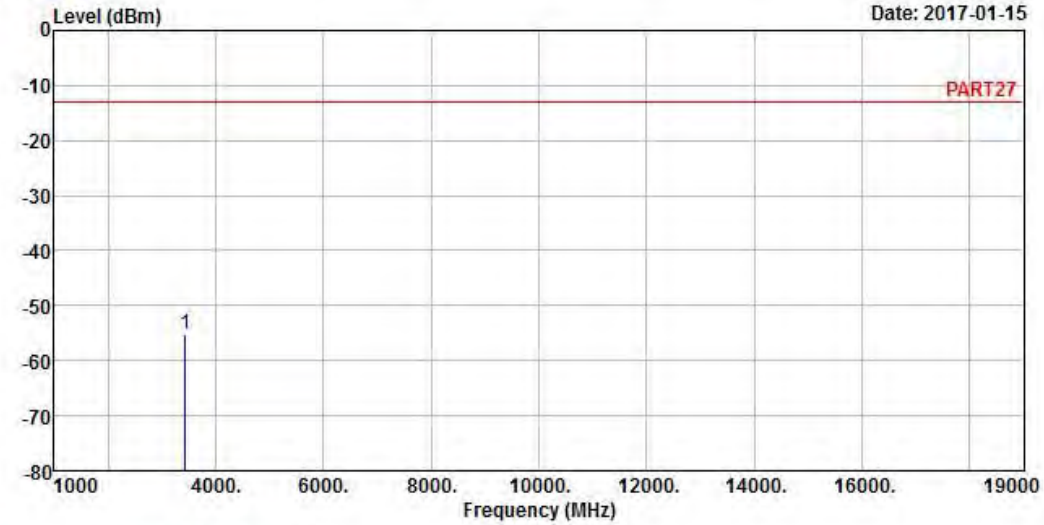
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_20M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3440.00	-51.48	-42.48	-13.00	-38.48	-9.00	Peak

Data: 4

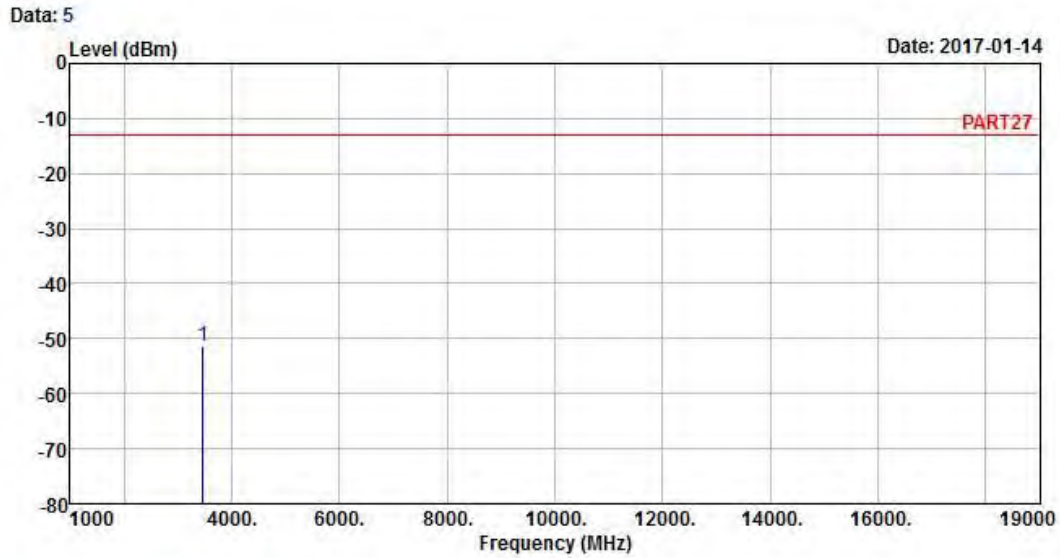


Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 4 QPSK_20M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3440.00	-55.21	-46.21	-13.00	-42.21	-9.00	Peak

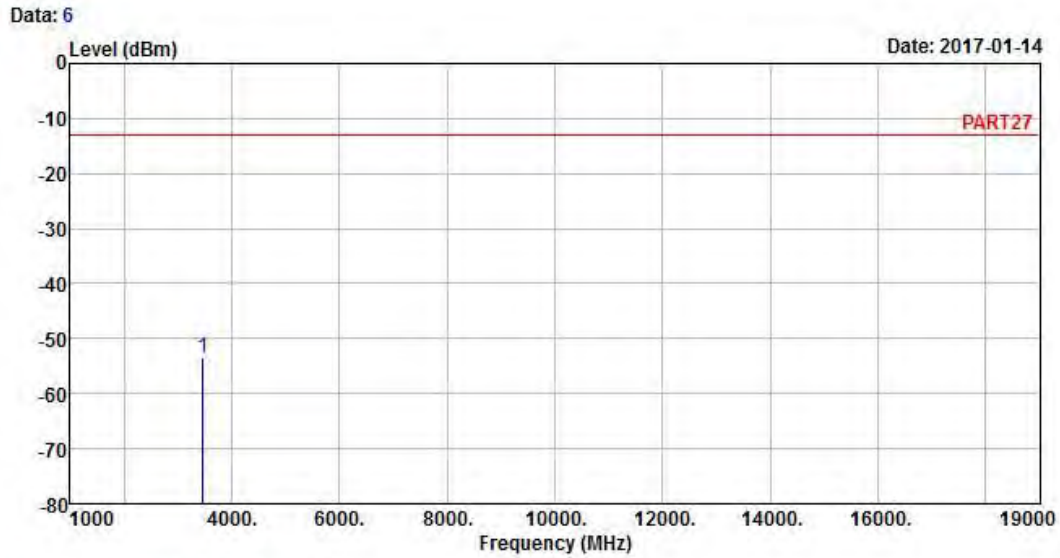
Middle Channel

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_20M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3465.00	-51.35	-42.44	-13.00	-38.35	-8.91	Peak



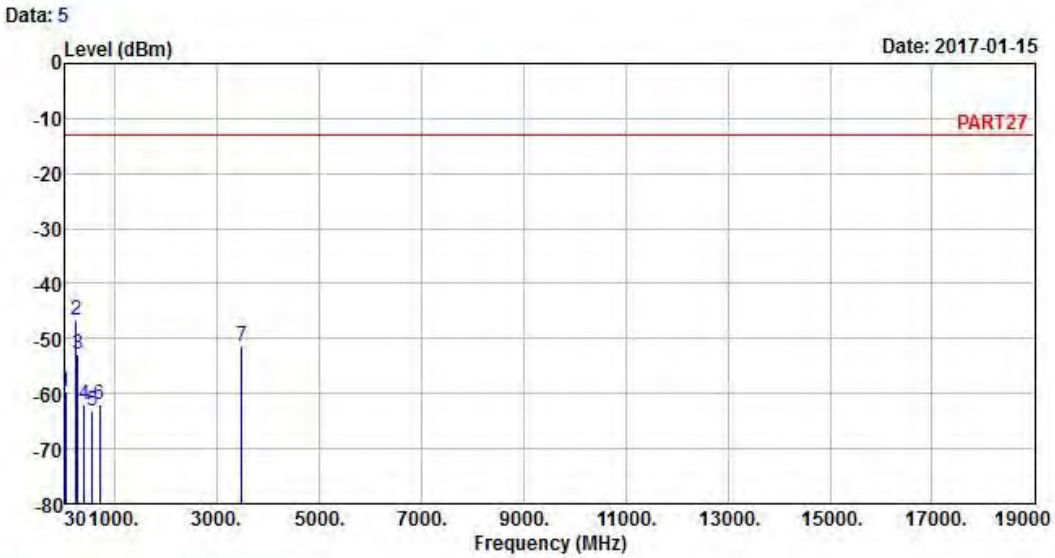
Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 4 QPSK_20M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3465.00	-53.31	-44.40	-13.00	-40.31	-8.91	Peak

High Channel

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

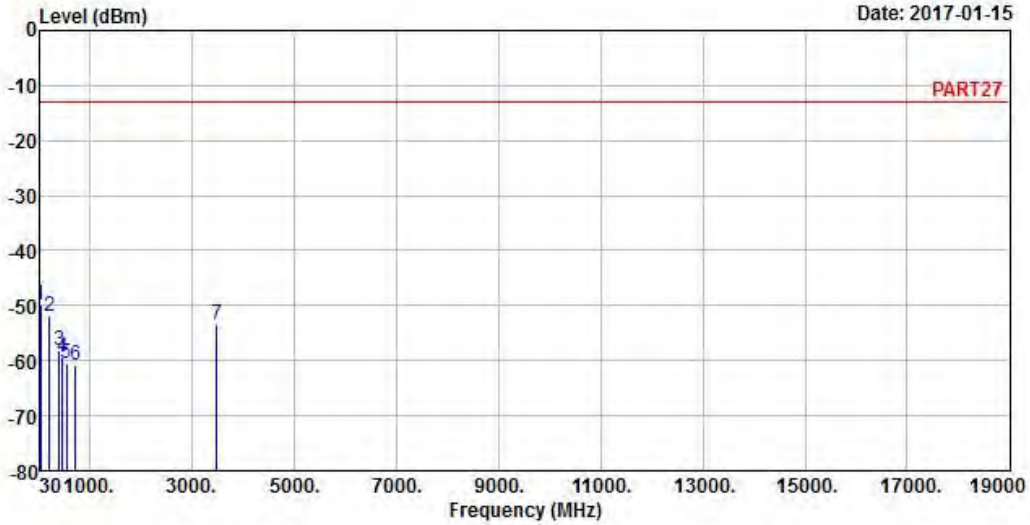
A D T



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 4 QPSK_20M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	40.67	-59.60	-59.72	-13.00	-46.60	0.12	Peak
2 pp	235.64	-46.71	-40.13	-13.00	-33.71	-6.58	Peak
3	267.65	-52.77	-46.42	-13.00	-39.77	-6.35	Peak
4	398.60	-61.98	-56.03	-13.00	-48.98	-5.95	Peak
5	552.83	-63.25	-60.52	-13.00	-50.25	-2.73	Peak
6	704.15	-61.95	-61.93	-13.00	-48.95	-0.02	Peak
7	3490.00	-51.34	-42.83	-13.00	-38.34	-8.51	Peak

Data: 6

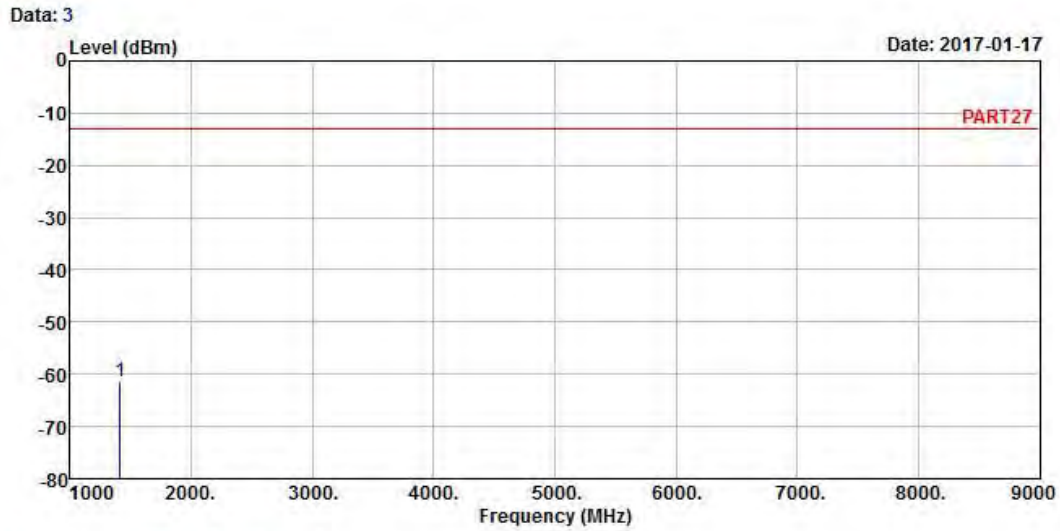


Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 4 QPSK_20M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	40.67	-49.92	-50.04	-13.00	-36.92	0.12	Peak
2	206.54	-52.08	-44.33	-13.00	-39.08	-7.75	Peak
3	399.57	-58.27	-52.32	-13.00	-45.27	-5.95	Peak
4	460.68	-59.20	-53.85	-13.00	-46.20	-5.35	Peak
5	549.92	-60.50	-57.65	-13.00	-47.50	-2.85	Peak
6	710.94	-60.68	-60.79	-13.00	-47.68	0.11	Peak
7	3490.00	-53.47	-44.96	-13.00	-40.47	-8.51	Peak

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

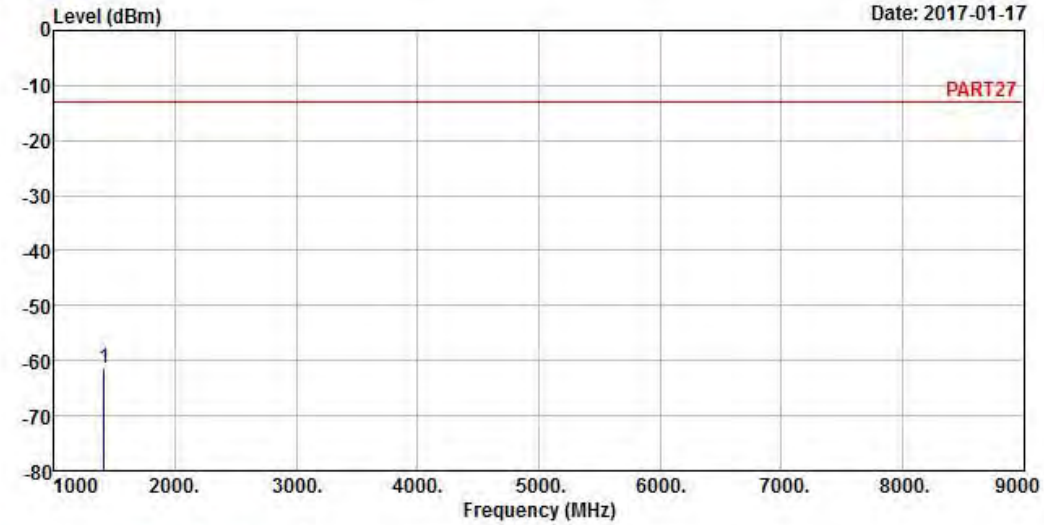
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_10M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1408.00	-61.54	-47.20	-13.00	-48.54	-14.34	Peak

Data: 4

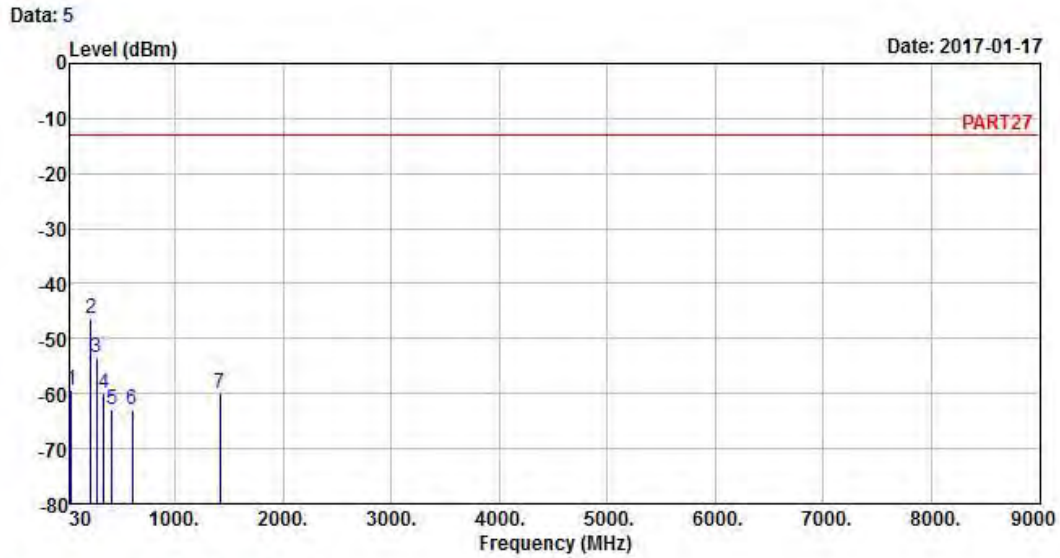


Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 12 QPSK_10M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1408.00	-61.42	-47.08	-13.00	-48.42	-14.34	Peak

Middle Channel

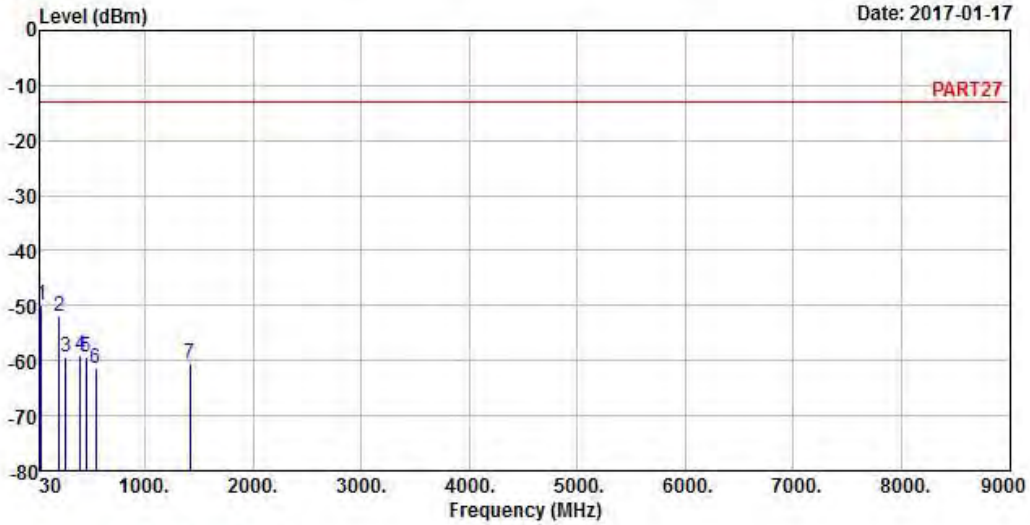
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	41.64	-59.37	-58.96	-13.00	-46.37	-0.41	Peak
2 pp	222.06	-46.31	-39.19	-13.00	-33.31	-7.12	Peak
3	274.44	-53.37	-46.88	-13.00	-40.37	-6.49	Peak
4	338.46	-59.94	-53.52	-13.00	-46.94	-6.42	Peak
5	417.03	-62.76	-56.95	-13.00	-49.76	-5.81	Peak
6	603.27	-62.83	-62.07	-13.00	-49.83	-0.76	Peak
7	1415.00	-60.07	-45.73	-13.00	-47.07	-14.34	Peak

Data: 6



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 12 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	41.64	-49.99	-49.58	-13.00	-36.99	-0.41	Peak
2	206.54	-51.90	-44.15	-13.00	-38.90	-7.75	Peak
3	265.71	-59.20	-52.89	-13.00	-46.20	-6.31	Peak
4	398.60	-59.10	-53.15	-13.00	-46.10	-5.95	Peak
5	454.86	-59.21	-53.75	-13.00	-46.21	-5.46	Peak
6	543.13	-61.33	-58.24	-13.00	-48.33	-3.09	Peak
7	1415.00	-60.48	-46.14	-13.00	-47.48	-14.34	Peak

High Channel

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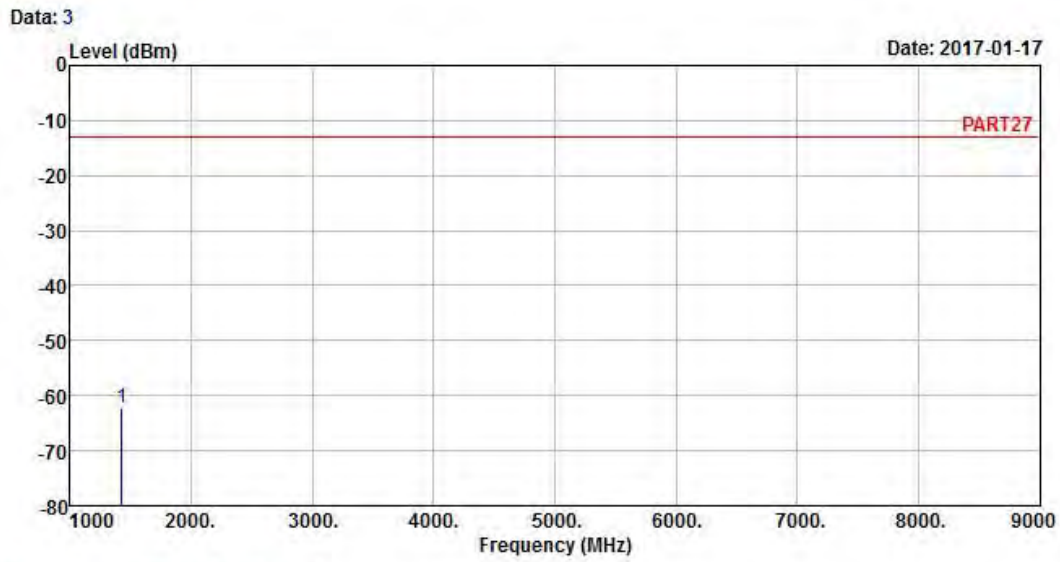
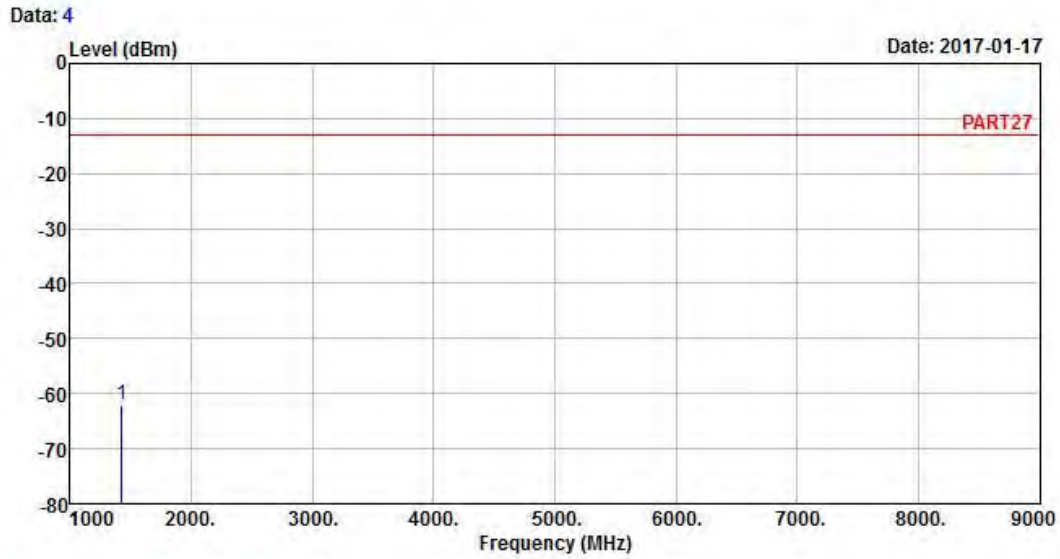


Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 12 QPSK_10M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1422.00	-62.26	-47.92	-13.00	-49.26	-14.34	Peak

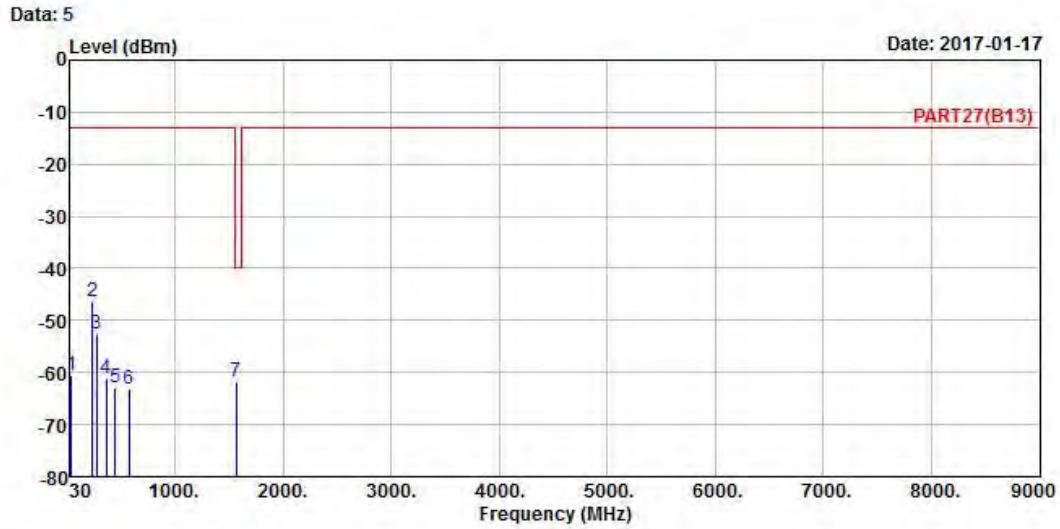


Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 12 QPSK_10M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1422.00	-61.95	-47.61	-13.00	-48.95	-14.34	Peak

LTE Band 13
Channel Bandwidth: 10 MHz / QPSK
Middle Channel_1RB

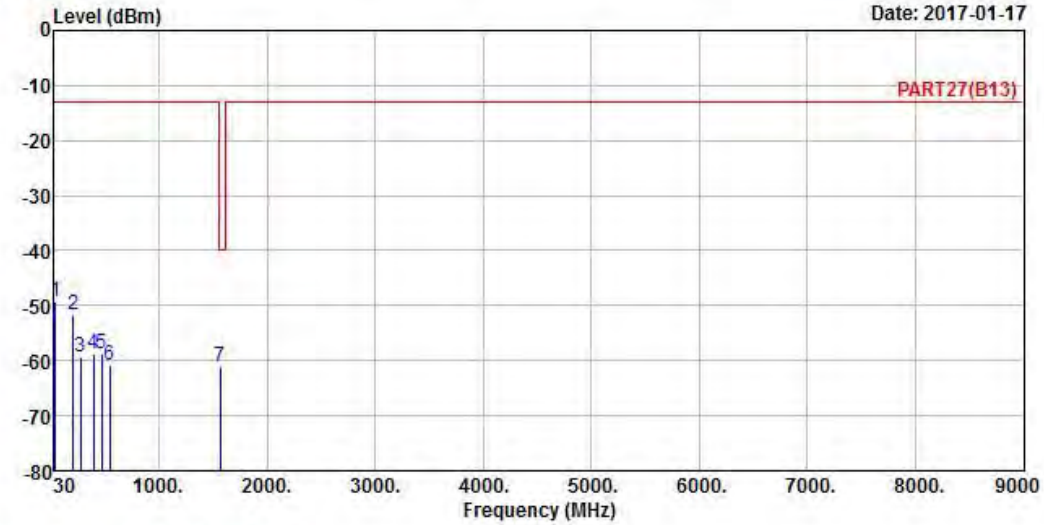
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27(B13) HORIZONTAL
Remak : LTE Band 13 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	40.67	-60.60	-60.72	-13.00	-47.60	0.12	Peak
2	233.70	-46.38	-39.72	-13.00	-33.38	-6.66	Peak
3	273.47	-52.57	-46.10	-13.00	-39.57	-6.47	Peak
4	366.59	-61.21	-55.07	-13.00	-48.21	-6.14	Peak
5	446.13	-62.89	-57.31	-13.00	-49.89	-5.58	Peak
6	571.26	-63.08	-61.12	-13.00	-50.08	-1.96	Peak
7 pp	1564.00	-61.68	-46.66	-40.00	-21.68	-15.02	Peak

Data: 6

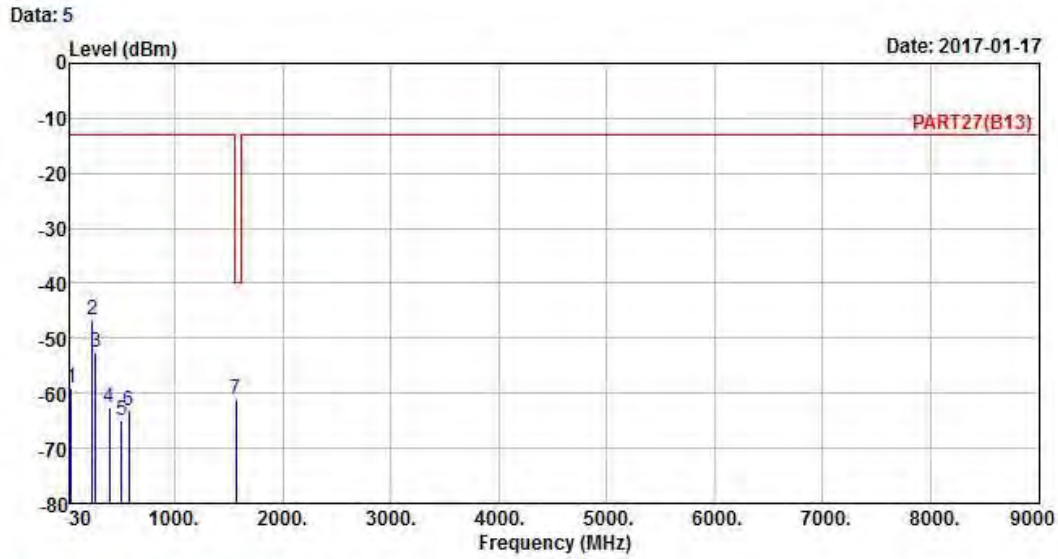


Site : 966 Chamber 5
Condition: PART27(B13) VERTICAL
Remak : LTE Band 13 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	41.64	-49.42	-49.01	-13.00	-36.42	-0.41	Peak
2	205.57	-51.70	-43.91	-13.00	-38.70	-7.79	Peak
3	274.44	-59.36	-52.87	-13.00	-46.36	-6.49	Peak
4	396.66	-58.60	-52.63	-13.00	-45.60	-5.97	Peak
5	467.47	-58.83	-53.61	-13.00	-45.83	-5.22	Peak
6	547.01	-60.79	-57.84	-13.00	-47.79	-2.95	Peak
7 pp	1564.00	-61.05	-46.03	-40.00	-21.05	-15.02	Peak

Middle Channel_50RB

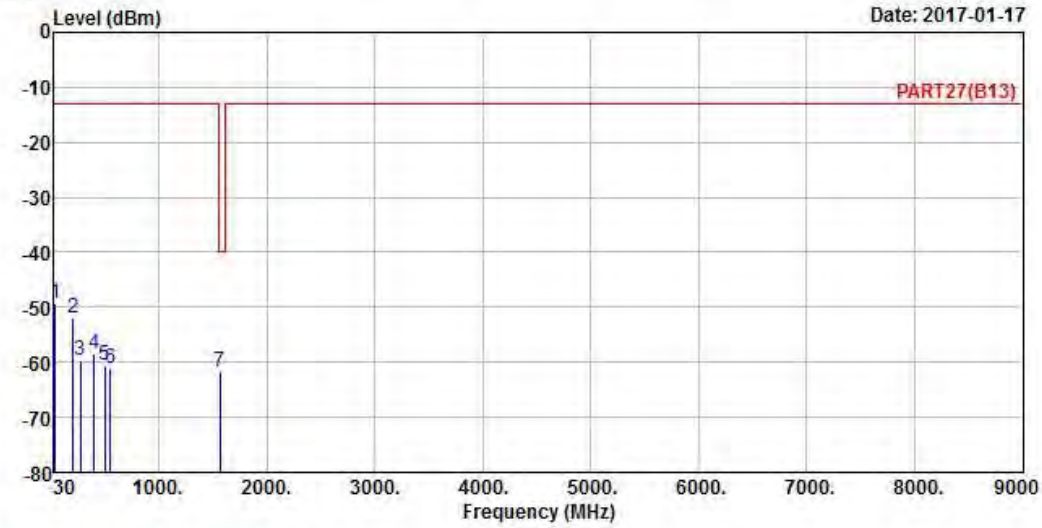
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27(B13) HORIZONTAL
Remak : LTE Band 13 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	41.64	-59.04	-58.63	-13.00	-46.04	-0.41	Peak
2	232.73	-46.51	-39.81	-13.00	-33.51	-6.70	Peak
3	267.65	-52.46	-46.11	-13.00	-39.46	-6.35	Peak
4	389.87	-62.58	-56.58	-13.00	-49.58	-6.00	Peak
5	503.36	-65.04	-60.53	-13.00	-52.04	-4.51	Peak
6	572.23	-63.32	-61.40	-13.00	-50.32	-1.92	Peak
7 pp	1564.00	-61.13	-46.11	-40.00	-21.13	-15.02	Peak

Data: 6

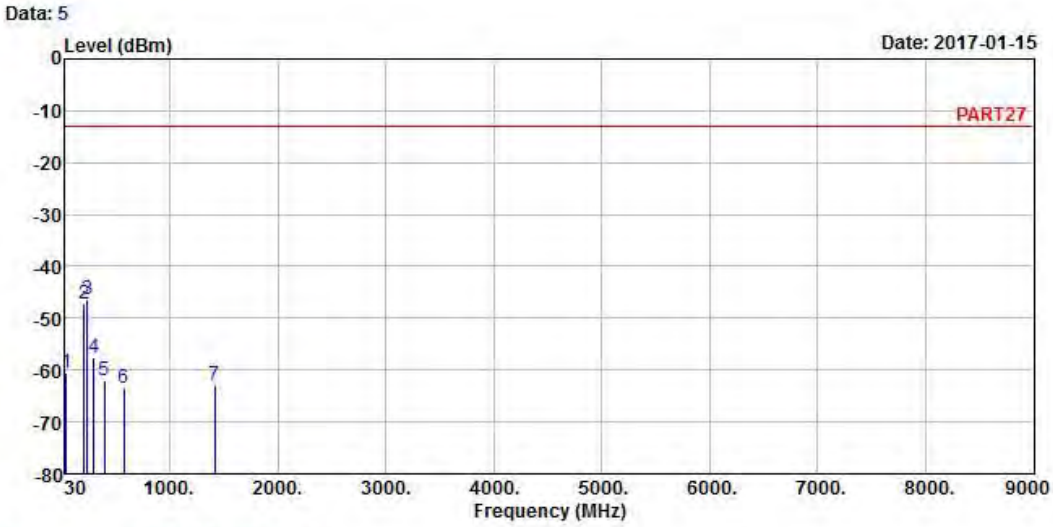


Site : 966 Chamber 5
Condition: PART27(B13) VERTICAL
Remak : LTE Band 13 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	40.67	-49.39	-49.51	-13.00	-36.39	0.12	Peak
2	208.48	-51.86	-44.19	-13.00	-38.86	-7.67	Peak
3	273.47	-59.77	-53.30	-13.00	-46.77	-6.47	Peak
4	402.48	-58.54	-52.61	-13.00	-45.54	-5.93	Peak
5	494.63	-60.49	-55.77	-13.00	-47.49	-4.72	Peak
6	548.95	-61.06	-58.18	-13.00	-48.06	-2.88	Peak
7 pp	1564.00	-61.80	-46.78	-40.00	-21.80	-15.02	Peak

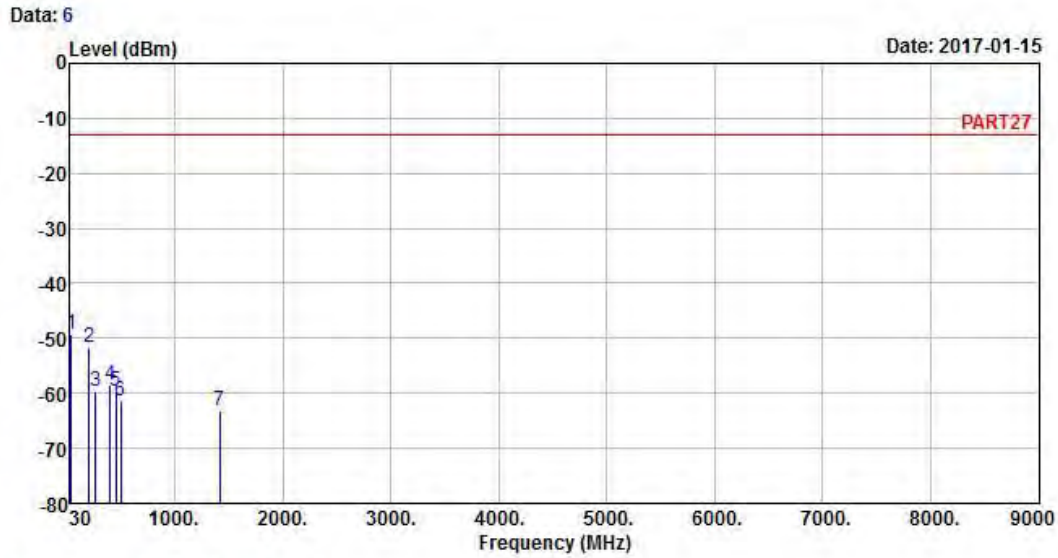
LTE Band 17
Channel Bandwidth: 10 MHz / QPSK
Low Channel

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 17 QPSK_10M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	41.64	-60.44	-60.03	-13.00	-47.44	-0.41	Peak
2	205.57	-47.18	-39.39	-13.00	-34.18	-7.79	Peak
3 pp	236.61	-46.22	-39.68	-13.00	-33.22	-6.54	Peak
4	297.72	-57.69	-50.72	-13.00	-44.69	-6.97	Peak
5	390.84	-61.85	-55.85	-13.00	-48.85	-6.00	Peak
6	577.08	-63.50	-61.78	-13.00	-50.50	-1.72	Peak
7	1418.00	-62.75	-48.41	-13.00	-49.75	-14.34	Peak



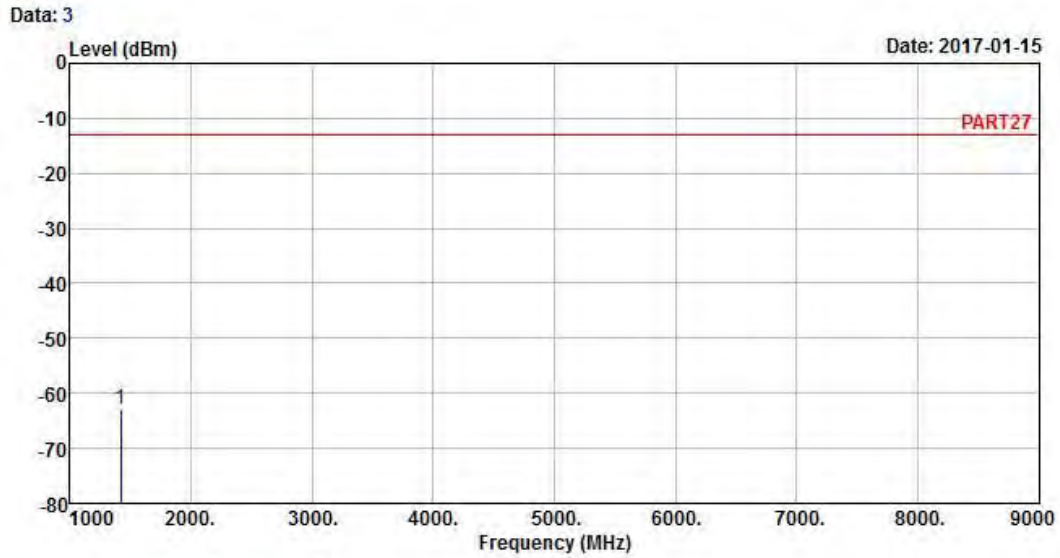
Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 17 QPSK_10M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	40.67	-49.19	-49.31	-13.00	-36.19	0.12	Peak
2	206.54	-51.59	-43.84	-13.00	-38.59	-7.75	Peak
3	264.74	-59.62	-53.33	-13.00	-46.62	-6.29	Peak
4	399.57	-58.36	-52.41	-13.00	-45.36	-5.95	Peak
5	453.89	-59.56	-54.08	-13.00	-46.56	-5.48	Peak
6	501.42	-61.36	-56.78	-13.00	-48.36	-4.58	Peak
7	1418.00	-63.22	-48.88	-13.00	-50.22	-14.34	Peak

Middle Channel

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

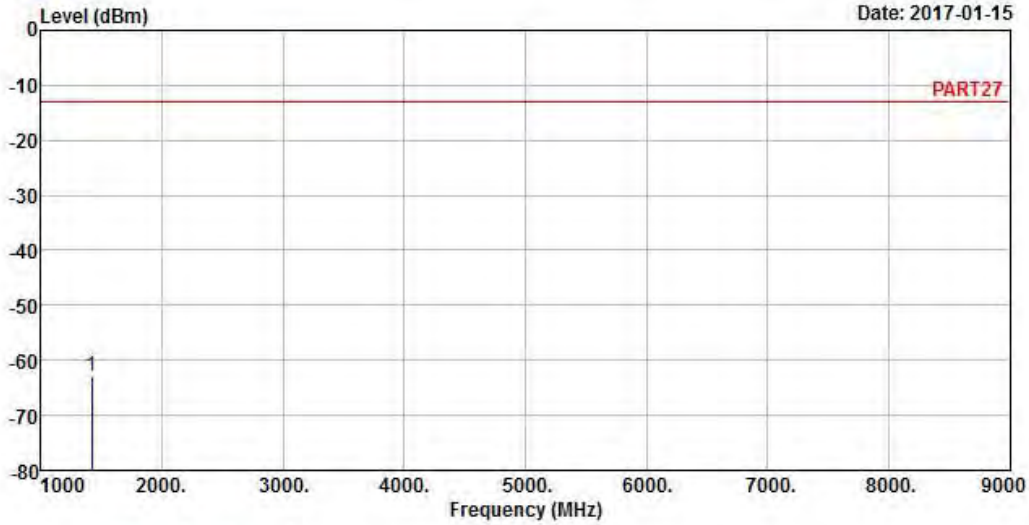
A D T



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 17 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1420.00	-62.84	-48.50	-13.00	-49.84	-14.34	Peak

Data: 4

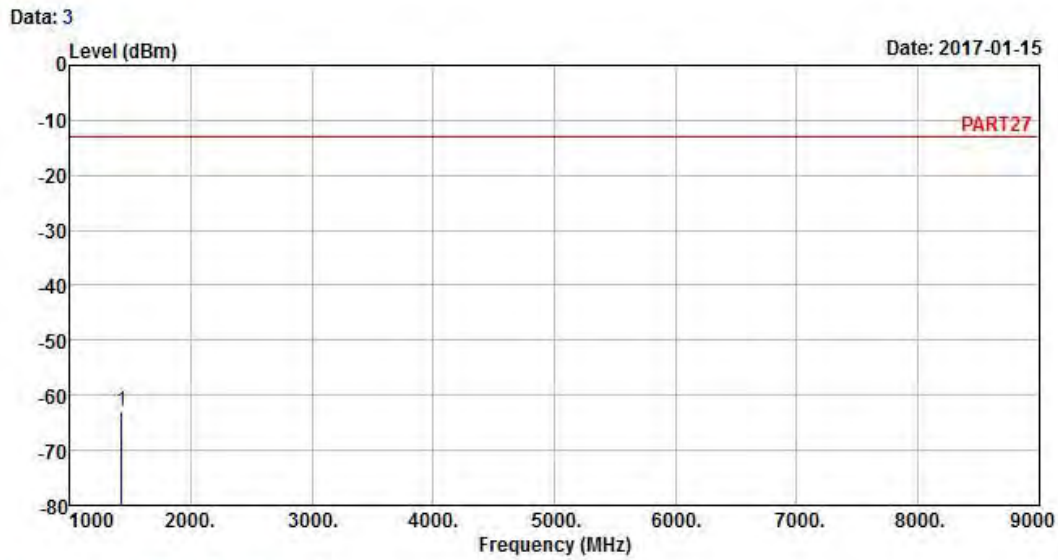


Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 17 QPSK_10M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1420.00	-62.89	-48.55	-13.00	-49.89	-14.34	Peak

High Channel

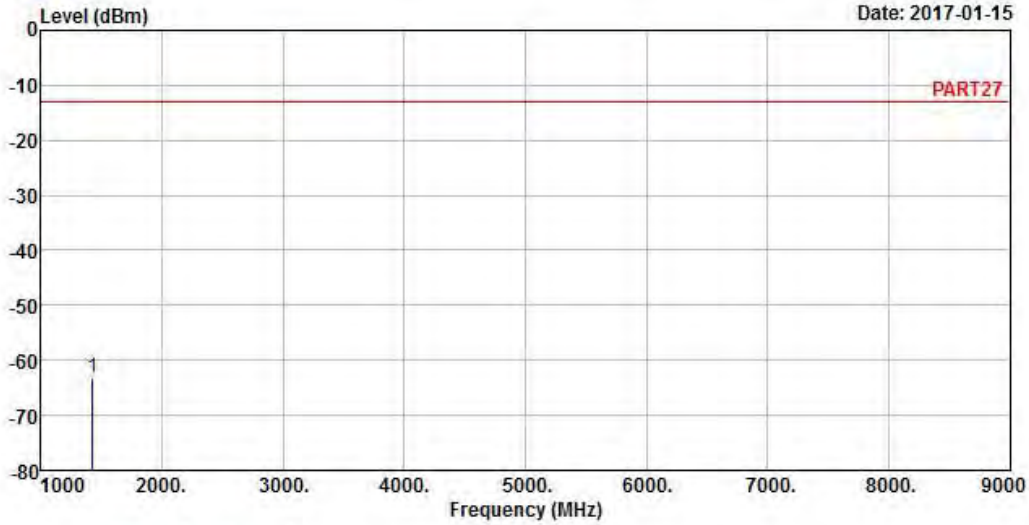
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 17 QPSK_10M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1422.00	-62.78	-48.44	-13.00	-49.78	-14.34	Peak

Data: 4

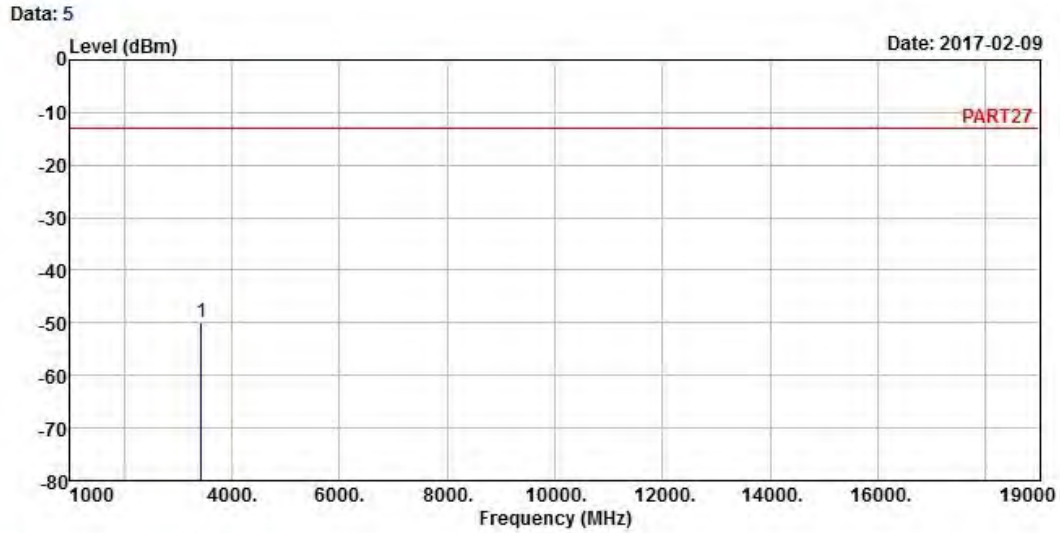


Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 17 QPSK_10M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	1422.00	-63.05	-48.71	-13.00	-50.05	-14.34	Peak

LTE Band 66
Channel Bandwidth: 20 MHz / QPSK
Low Channel

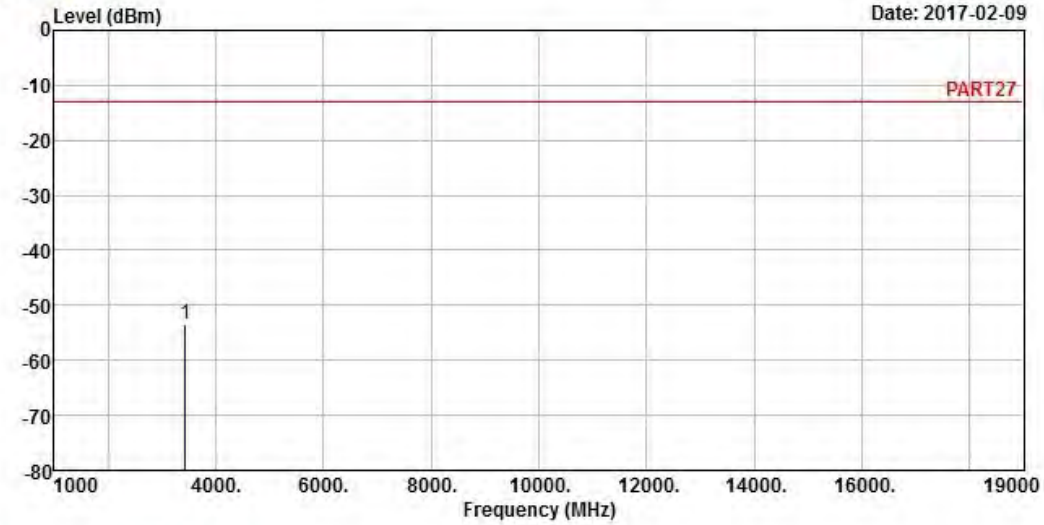
Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 66 QPSK_20M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3440.00	-49.99	-40.99	-13.00	-36.99	-9.00	Peak

Data: 6



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 66 QPSK_20M_L-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3440.00	-53.36	-44.36	-13.00	-40.36	-9.00	Peak

Middle Channel

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

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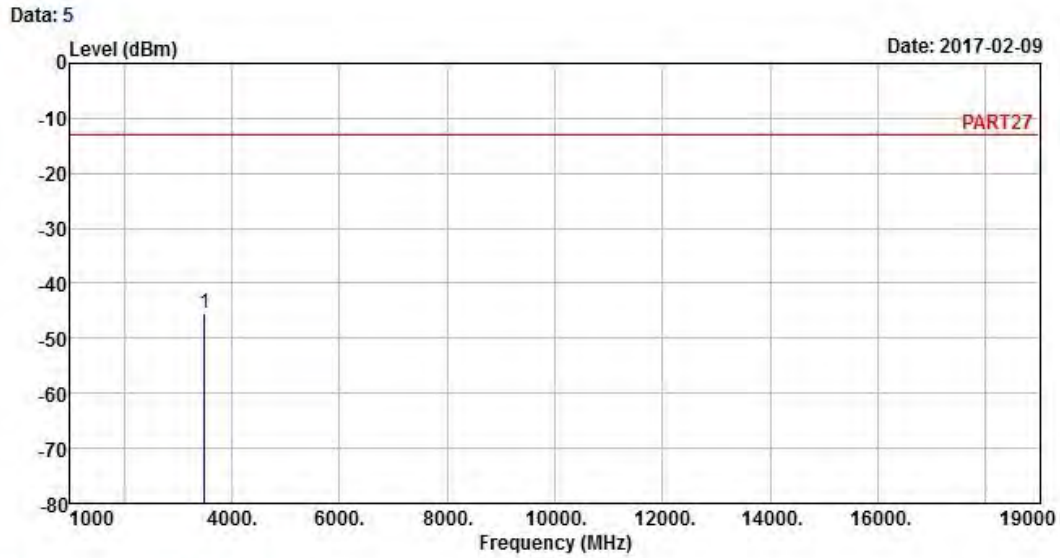
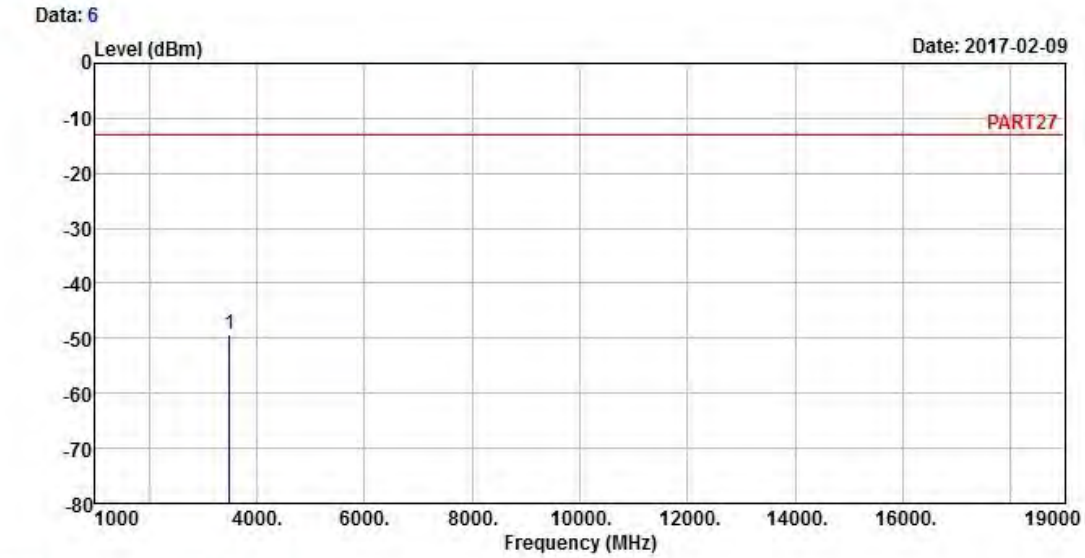


Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 66 QPSK_20M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3490.00	-45.34	-36.83	-13.00	-32.34	-8.51	Peak



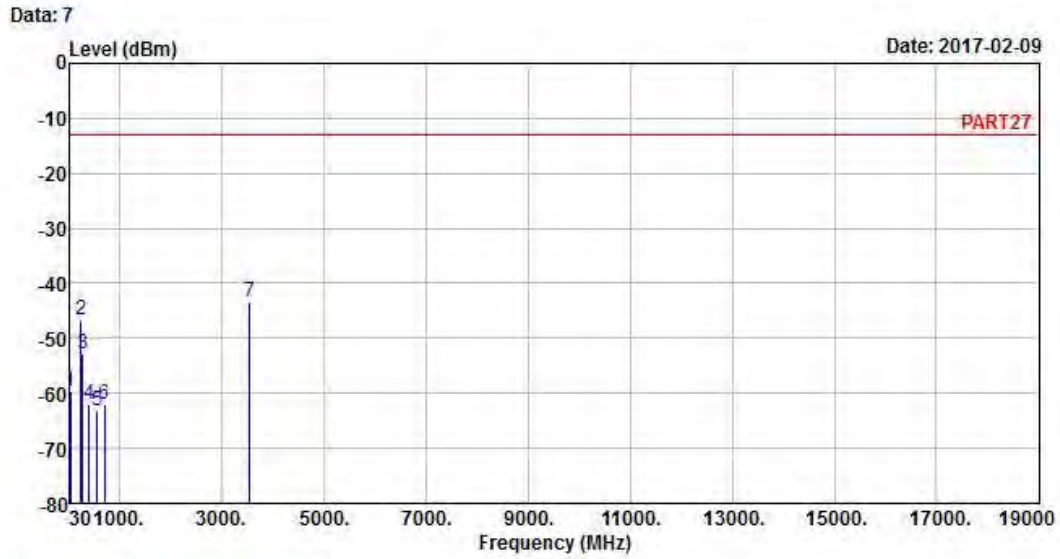
Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 66 QPSK_20M_M-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1 pp	3490.00	-49.33	-40.82	-13.00	-36.33	-8.51	Peak

High Channel

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

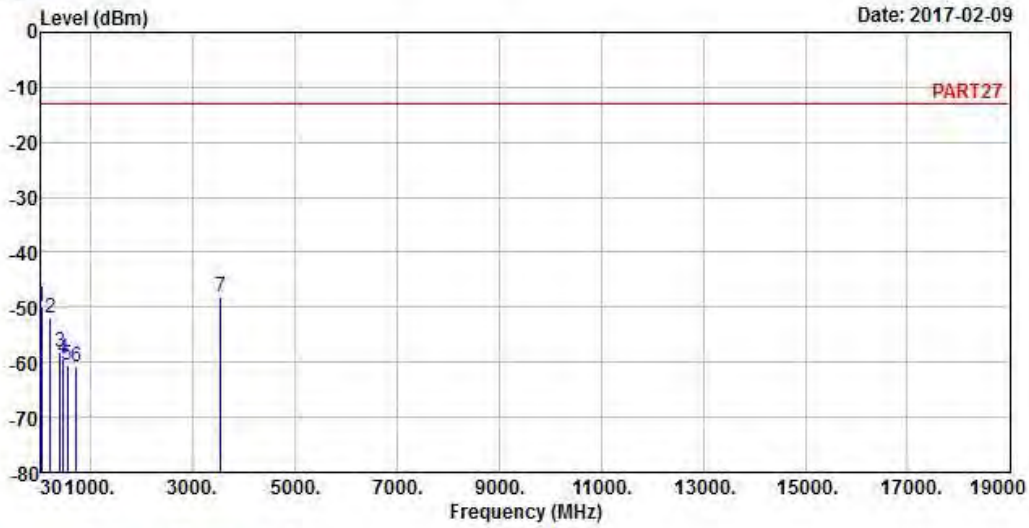
A D T



Site : 966 Chamber 5
Condition: PART27 HORIZONTAL
Remak : LTE Band 66 QPSK_20M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	40.67	-59.60	-59.72	-13.00	-46.60	0.12	Peak
2	235.64	-46.71	-40.13	-13.00	-33.71	-6.58	Peak
3	267.65	-52.77	-46.42	-13.00	-39.77	-6.35	Peak
4	398.60	-61.98	-56.03	-13.00	-48.98	-5.95	Peak
5	552.83	-63.25	-60.52	-13.00	-50.25	-2.73	Peak
6	704.15	-61.95	-61.93	-13.00	-48.95	-0.02	Peak
7 pp	3540.00	-43.42	-35.07	-13.00	-30.42	-8.35	Peak

Data: 8



Site : 966 Chamber 5
Condition: PART27 VERTICAL
Remak : LTE Band 66 QPSK_20M_H-CH Link
Tested by: Getaz Yang

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark
	MHz	dBm	dBm	dBm	dB	dB	
1	40.67	-49.92	-50.04	-13.00	-36.92	0.12	Peak
2	206.54	-52.08	-44.33	-13.00	-39.08	-7.75	Peak
3	399.57	-58.27	-52.32	-13.00	-45.27	-5.95	Peak
4	460.68	-59.20	-53.85	-13.00	-46.20	-5.35	Peak
5	549.92	-60.50	-57.65	-13.00	-47.50	-2.85	Peak
6	710.94	-60.68	-60.79	-13.00	-47.68	0.11	Peak
7 pp	3540.00	-48.22	-39.87	-13.00	-35.22	-8.35	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 accredited and approved according to ISO/IEC 17025.

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

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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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