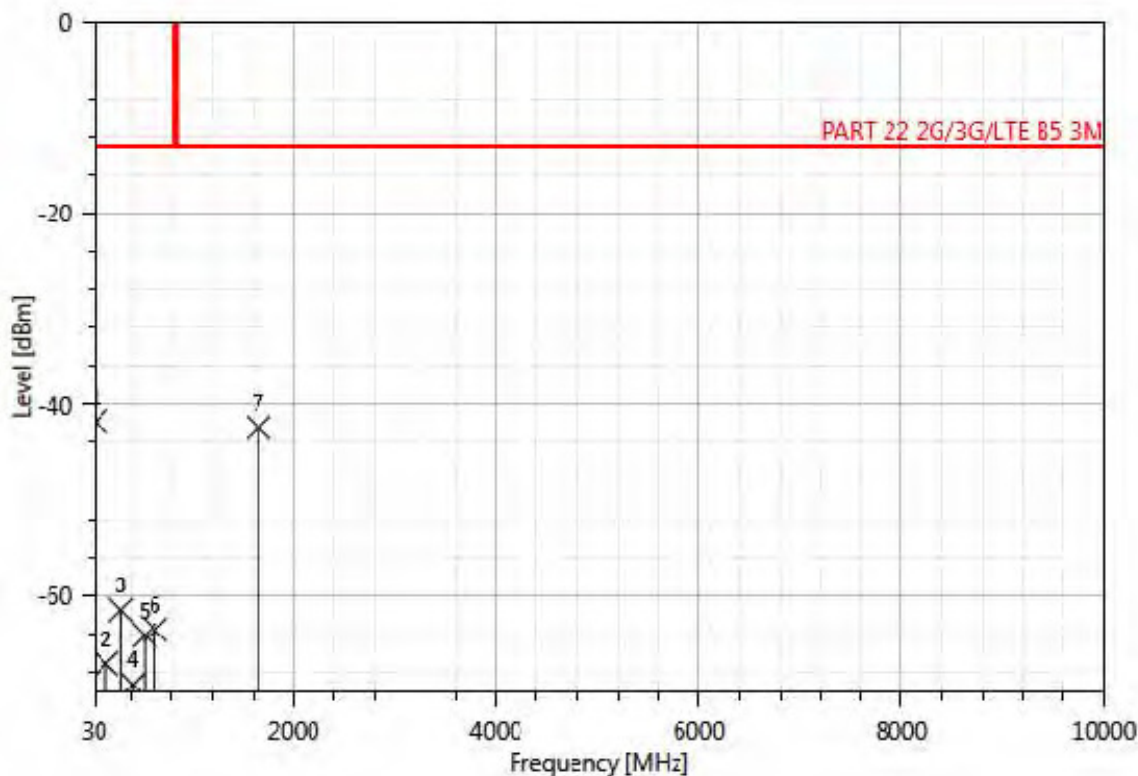


Radiated Spurious Emission Measurement Result: WCDMA Band V Mode

Operation Mode :	WCDMA B5	Test Date :	12/23/2016 23:47:00
Fundamental Frequency :	826.4 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-41.79	-27.69	-13.11	-0.99	-13.00	-28.79
148.34	S	Peak	-67.13	-63.52	-2.19	-1.42	-13.00	-54.13
293.84	S	Peak	-61.54	-63.10	3.50	-1.94	-13.00	-48.54
411.21	S	Peak	-69.32	-70.71	3.78	-2.39	-13.00	-56.32
527.61	S	Peak	-64.18	-65.41	3.71	-2.47	-13.00	-51.18
631.40	S	Peak	-63.60	-64.32	3.18	-2.46	-13.00	-50.60
1652.80	S	Peak	-42.42	-45.31	7.12	-4.24	-13.00	-29.42

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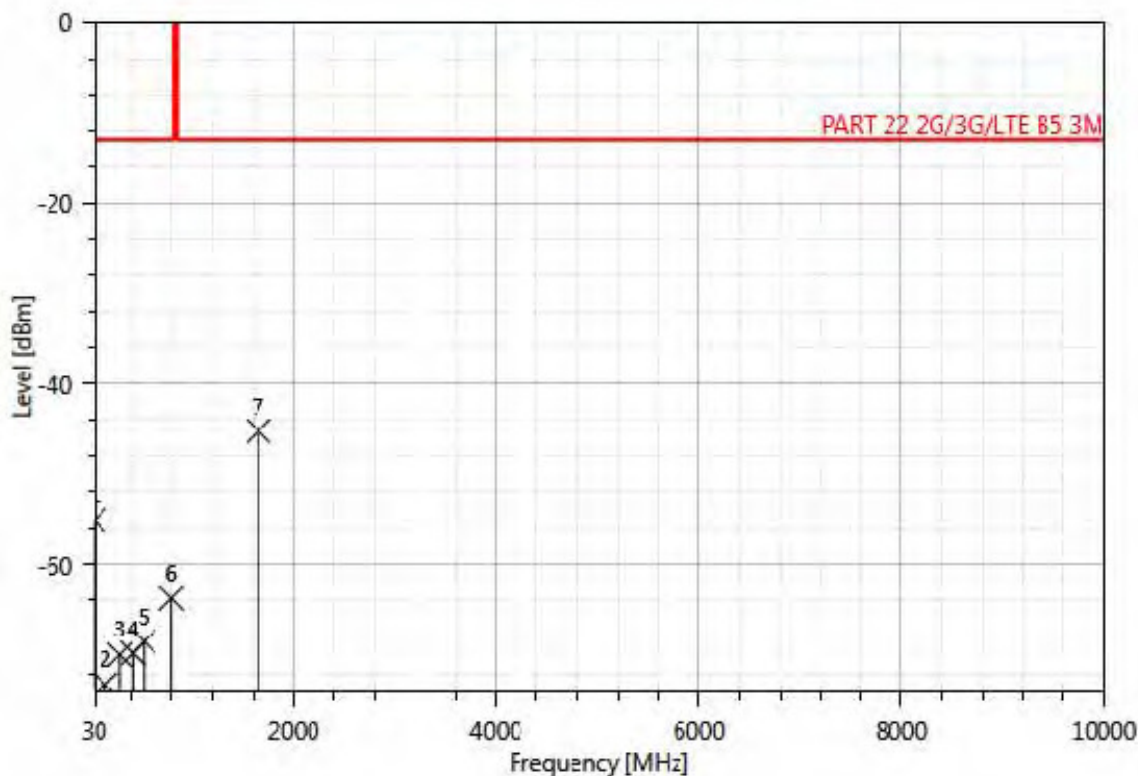
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Operation Mode : WCDMA B5 Test Date : 12/23/2016 23:47:03
Fundamental Frequency : 826.4 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-55.06	-39.78	-14.31	-0.96	-13.00	-42.06
139.61	S	Peak	-73.26	-69.17	-2.70	-1.39	-13.00	-60.26
284.14	S	Peak	-69.96	-71.49	3.43	-1.89	-13.00	-56.96
413.15	S	Peak	-69.81	-71.21	3.77	-2.38	-13.00	-56.81
517.91	S	Peak	-68.50	-69.89	3.76	-2.37	-13.00	-55.50
794.36	S	Peak	-63.75	-64.17	3.32	-2.90	-13.00	-50.75
1652.80	S	Peak	-45.23	-48.11	7.12	-4.24	-13.00	-32.23

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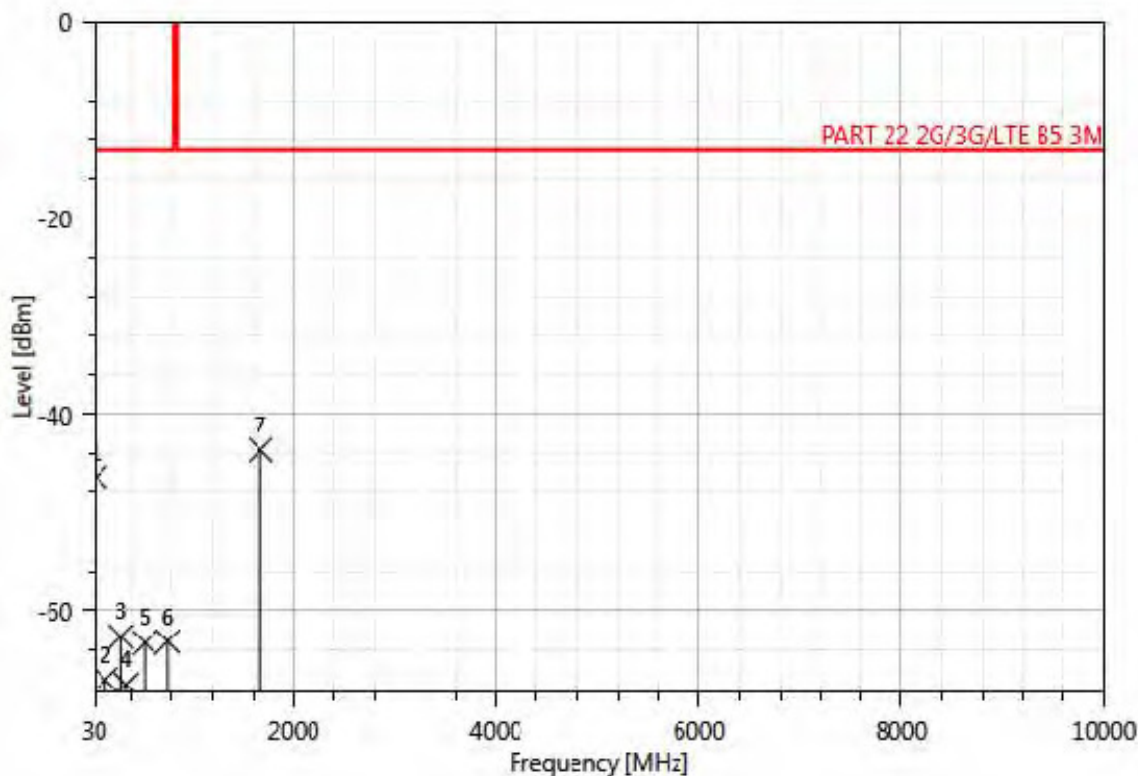
f (886-2) 2298-0488

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Operation Mode : WCDMA B5
Fundamental Frequency : 836.6 MHz
Operation Band : Tx CH MID
EUT Pol. : E2 Plane

Test Date : 12/23/2016 23:47:06
Temp. / Humi. : 21 deg_C / 62 RH
Test Engineer : Tin
Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-46.42	-32.31	-13.11	-0.99	-13.00	-33.42
140.58	S	Peak	-67.03	-62.97	-2.66	-1.40	-13.00	-54.03
294.81	S	Peak	-62.65	-64.23	3.52	-1.94	-13.00	-49.65
345.25	S	Peak	-67.55	-69.38	3.84	-2.01	-13.00	-54.55
527.61	S	Peak	-63.30	-64.53	3.71	-2.47	-13.00	-50.30
759.44	S	Peak	-63.15	-63.34	3.21	-3.02	-13.00	-50.15
1673.20	S	Peak	-43.63	-46.54	7.20	-4.29	-13.00	-30.63

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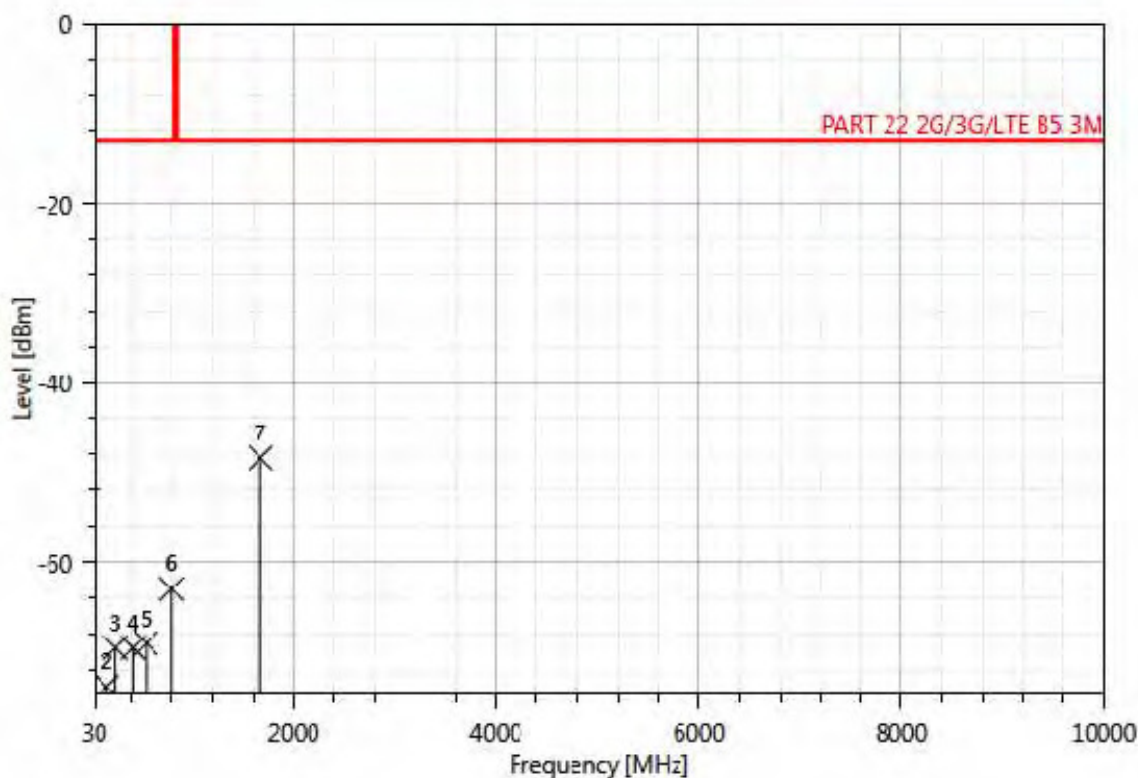
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Operation Mode : WCDMA B5
Fundamental Frequency : 836.6 MHz
Operation Band : Tx CH MID
EUT Pol. : E2 Plane

Test Date : 12/23/2016 23:47:08
Temp. / Humi. : 21 deg_C / 62 RH
Test Engineer : Tin
Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
30.00	S	Peak	-53.97	-38.23	-14.78	-0.96	-13.00	-40.97
154.16	S	Peak	-73.87	-70.52	-1.90	-1.45	-13.00	-60.87
240.49	S	Peak	-69.55	-71.10	3.29	-1.74	-13.00	-56.55
413.15	S	Peak	-69.56	-70.96	3.77	-2.38	-13.00	-56.56
542.16	S	Peak	-69.06	-70.07	3.63	-2.62	-13.00	-56.06
796.30	S	Peak	-63.00	-63.43	3.33	-2.90	-13.00	-50.00
1673.20	S	Peak	-48.37	-51.28	7.20	-4.29	-13.00	-35.37

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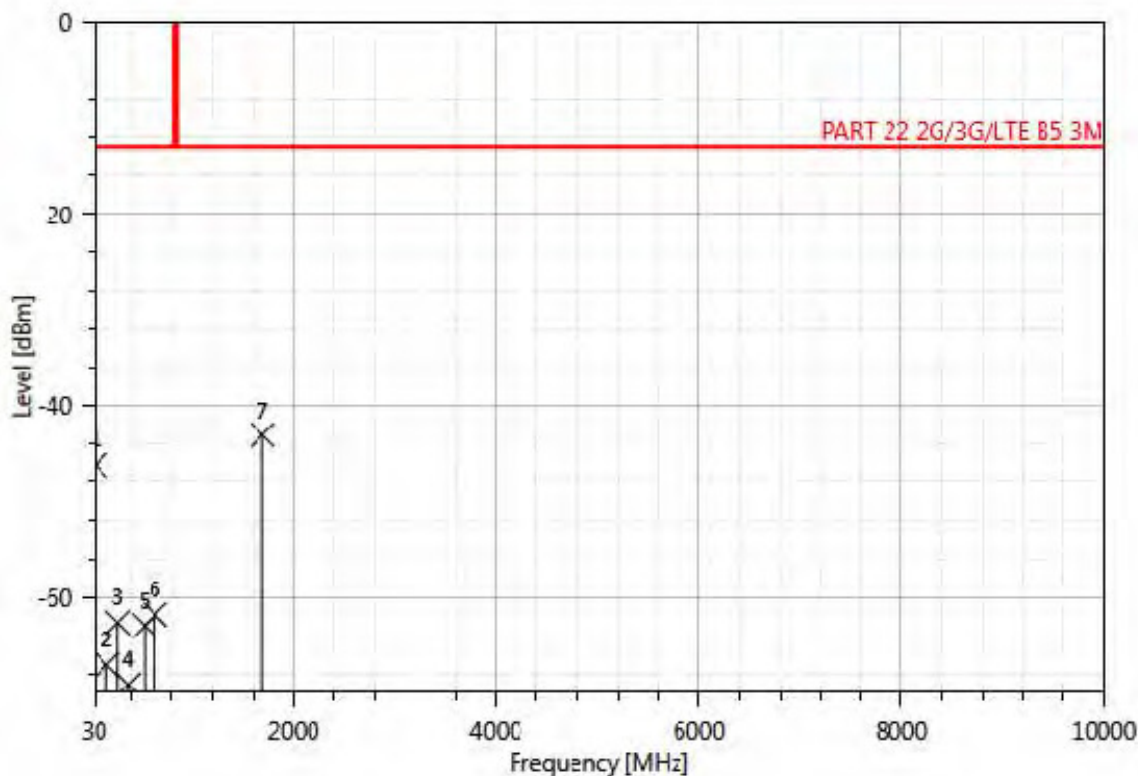
t (886-2) 2299-3279

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Operation Mode : WCDMA B5 Test Date : 12/23/2016 23:47:11
Fundamental Frequency : 846.6 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-46.15	-32.05	-13.11	-0.99	-13.00	-33.15
154.16	S	Peak	-67.00	-63.65	-1.90	-1.45	-13.00	-54.00
262.80	S	Peak	-62.61	-64.45	3.63	-1.79	-13.00	-49.61
366.59	S	Peak	-69.08	-70.75	3.85	-2.17	-13.00	-56.08
527.61	S	Peak	-62.94	-64.18	3.71	-2.47	-13.00	-49.94
629.46	S	Peak	-61.77	-62.48	3.18	-2.47	-13.00	-48.77
1693.20	S	Peak	-43.05	-46.02	7.27	-4.30	-13.00	-30.05

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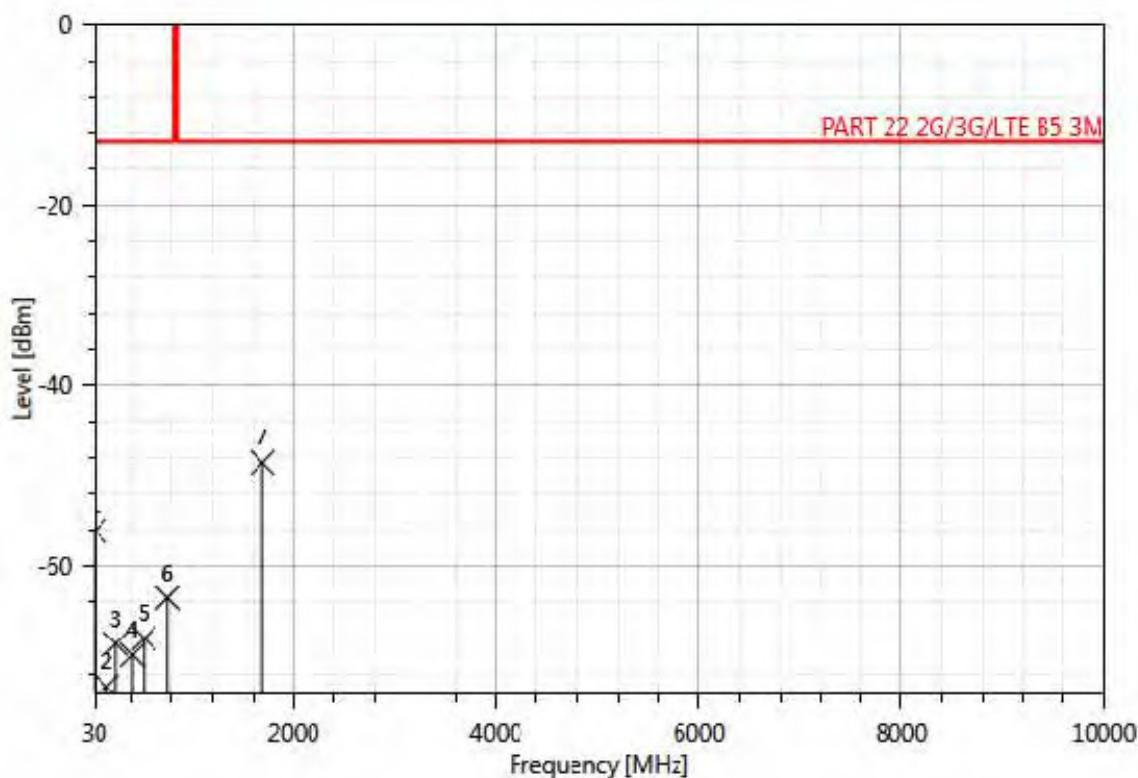
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Operation Mode : WCDMA B5 Test Date : 12/23/2016 23:47:14
Fundamental Frequency : 846.6 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
31.94	S	Peak	-56.15	-40.87	-14.31	-0.96	-13.00	-43.15
153.19	S	Peak	-73.40	-70.01	-1.95	-1.44	-13.00	-60.40
245.34	S	Peak	-68.67	-70.29	3.37	-1.75	-13.00	-55.67
406.36	S	Peak	-69.91	-71.29	3.80	-2.42	-13.00	-56.91
519.85	S	Peak	-68.06	-69.42	3.75	-2.39	-13.00	-55.06
755.56	S	Peak	-63.61	-63.76	3.20	-3.04	-13.00	-50.61
1693.20	S	Peak	-48.56	-51.53	7.27	-4.30	-13.00	-35.56

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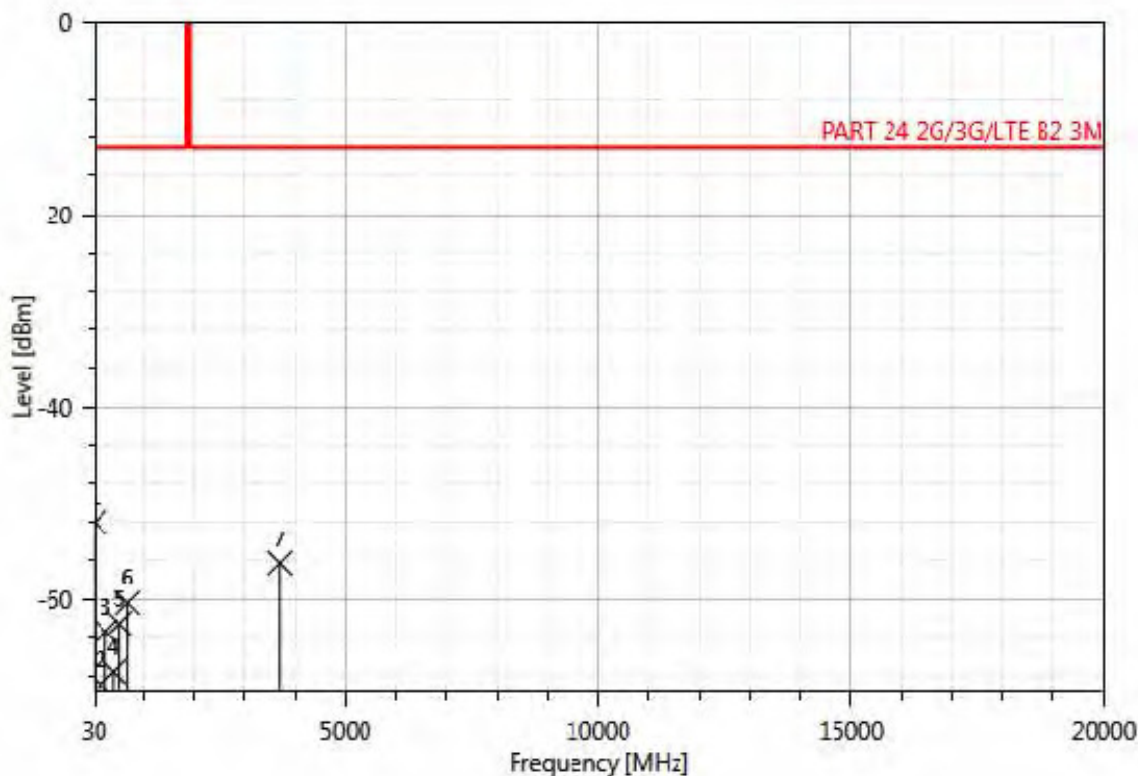
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Radiated Spurious Emission Measurement Result: LTE-Band 2 (The Worst Case)

Operation Mode :	LTE B2	Test Date :	12/22/2016
Fundamental Frequency :	1852.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-52.00	-40.05	-10.96	-0.99	-13.00	-39.00
154.16	S	Peak	-68.88	-67.68	0.25	-1.45	-13.00	-55.88
255.04	S	Peak	-63.36	-67.31	5.71	-1.76	-13.00	-50.36
418.00	S	Peak	-67.53	-71.09	5.91	-2.35	-13.00	-54.53
527.61	S	Peak	-62.55	-65.93	5.86	-2.47	-13.00	-49.55
687.66	S	Peak	-60.41	-62.90	5.25	-2.76	-13.00	-47.41
3705.00	H	Peak	-56.25	-62.11	12.44	-6.58	-13.00	-43.25

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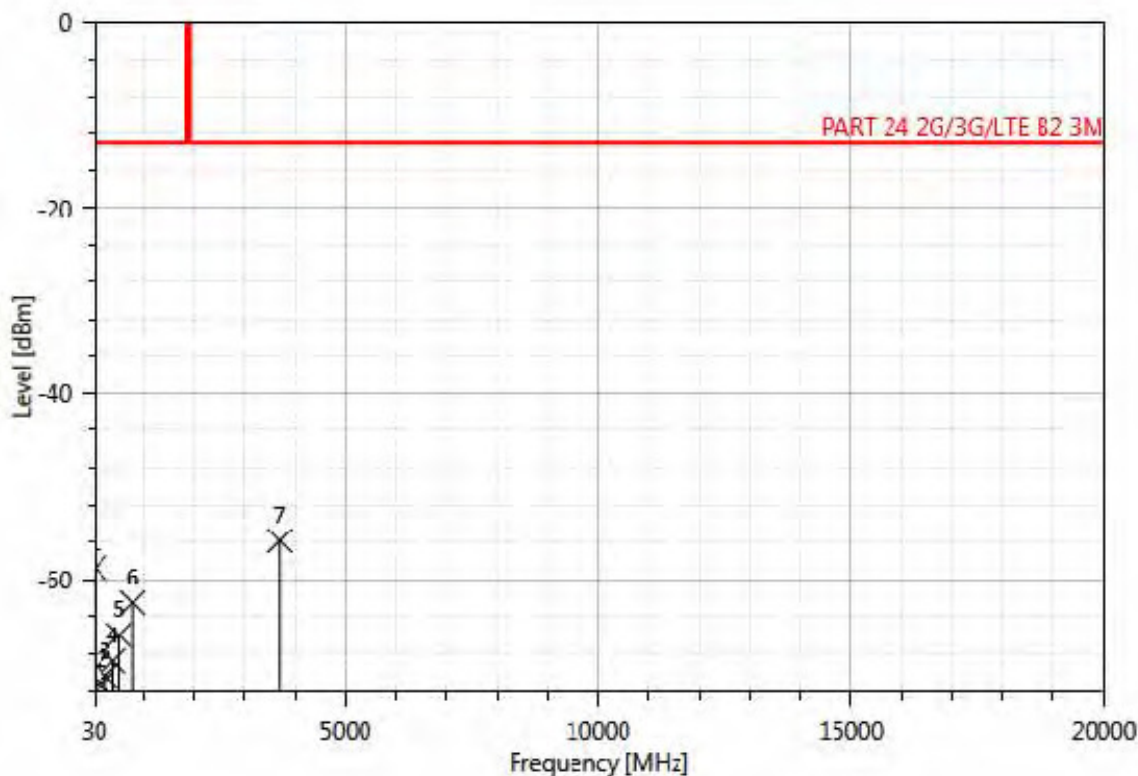
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Operation Mode : LTE B2 Test Date : 12/22/2016
Fundamental Frequency : 1852.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-58.76	-47.07	-10.68	-1.00	-13.00	-45.76
170.65	S	Peak	-71.33	-71.16	1.36	-1.52	-13.00	-58.33
257.95	S	Peak	-70.37	-74.38	5.78	-1.77	-13.00	-57.37
405.39	S	Peak	-68.79	-72.32	5.95	-2.41	-13.00	-55.79
521.79	S	Peak	-66.01	-69.48	5.89	-2.41	-13.00	-53.01
786.60	S	Peak	-62.54	-65.08	5.45	-2.90	-13.00	-49.54
3705.00	H	Peak	-55.86	-61.72	12.44	-6.58	-13.00	-42.86

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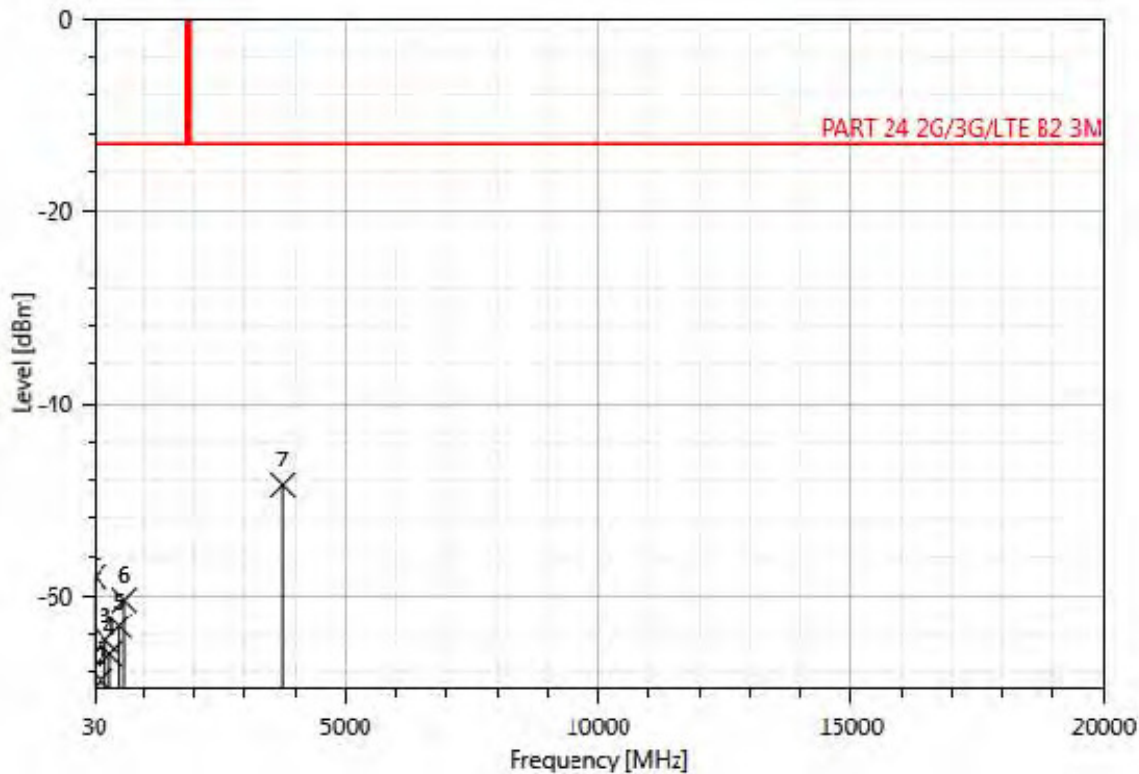
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Operation Mode :	LTE B2	Test Date :	12/22/2016
Fundamental Frequency :	1880.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-58.10	-46.15	-10.96	-0.99	-13.00	-45.10
159.01	S	Peak	-68.88	-67.88	0.47	-1.47	-13.00	-55.88
255.04	S	Peak	-64.61	-68.56	5.71	-1.76	-13.00	-51.61
342.34	S	Peak	-66.03	-70.02	5.98	-1.99	-13.00	-53.03
527.61	S	Peak	-63.20	-66.58	5.86	-2.47	-13.00	-50.20
624.61	S	Peak	-60.47	-63.30	5.34	-2.51	-13.00	-47.47
3760.00	H	Peak	-48.51	-54.37	12.45	-6.60	-13.00	-35.51

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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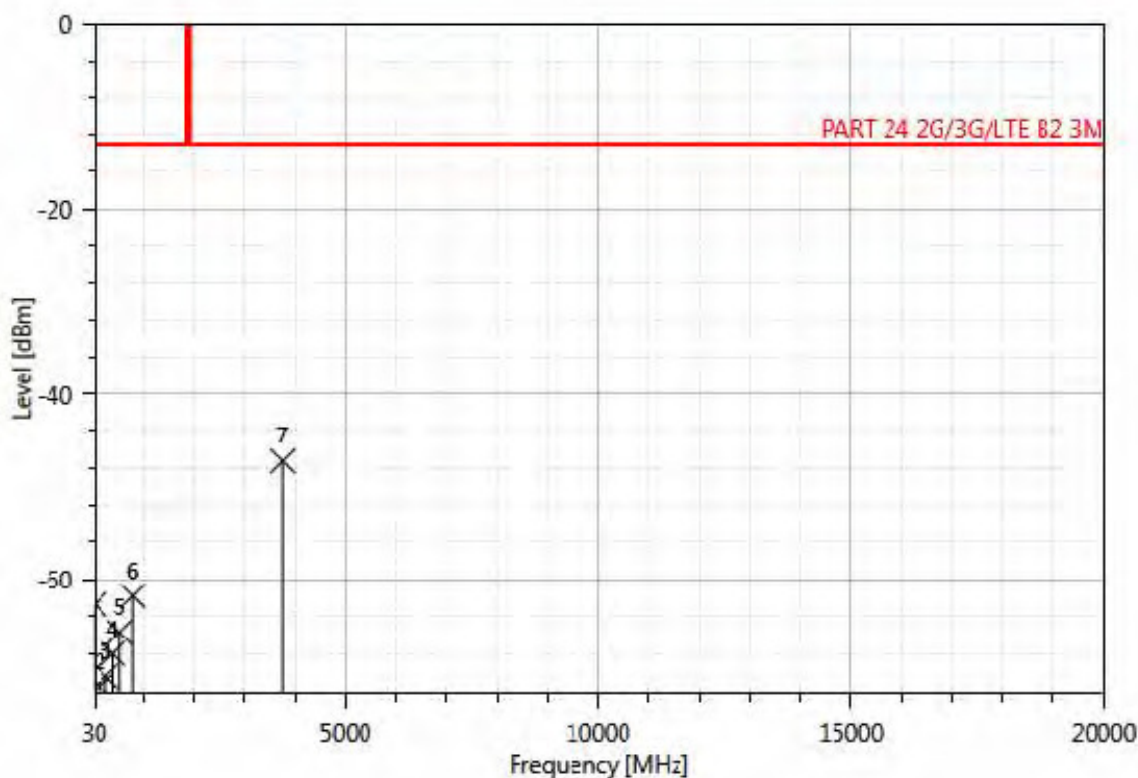
t (886-2) 2299-3279

f (886-2) 2298-0488

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Operation Mode : LTE B2 Test Date : 12/22/2016
Fundamental Frequency : 1880.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-62.73	-50.78	-10.96	-0.99	-13.00	-49.73
146.40	S	Peak	-71.61	-70.03	-0.16	-1.42	-13.00	-58.61
259.89	S	Peak	-70.47	-74.52	5.83	-1.77	-13.00	-57.47
403.45	S	Peak	-68.05	-71.61	5.96	-2.40	-13.00	-55.05
534.40	S	Peak	-65.73	-69.01	5.82	-2.54	-13.00	-52.73
788.54	S	Peak	-61.82	-64.37	5.46	-2.90	-13.00	-48.82
3760.00	H	Peak	-47.19	-53.04	12.45	-6.60	-13.00	-34.19

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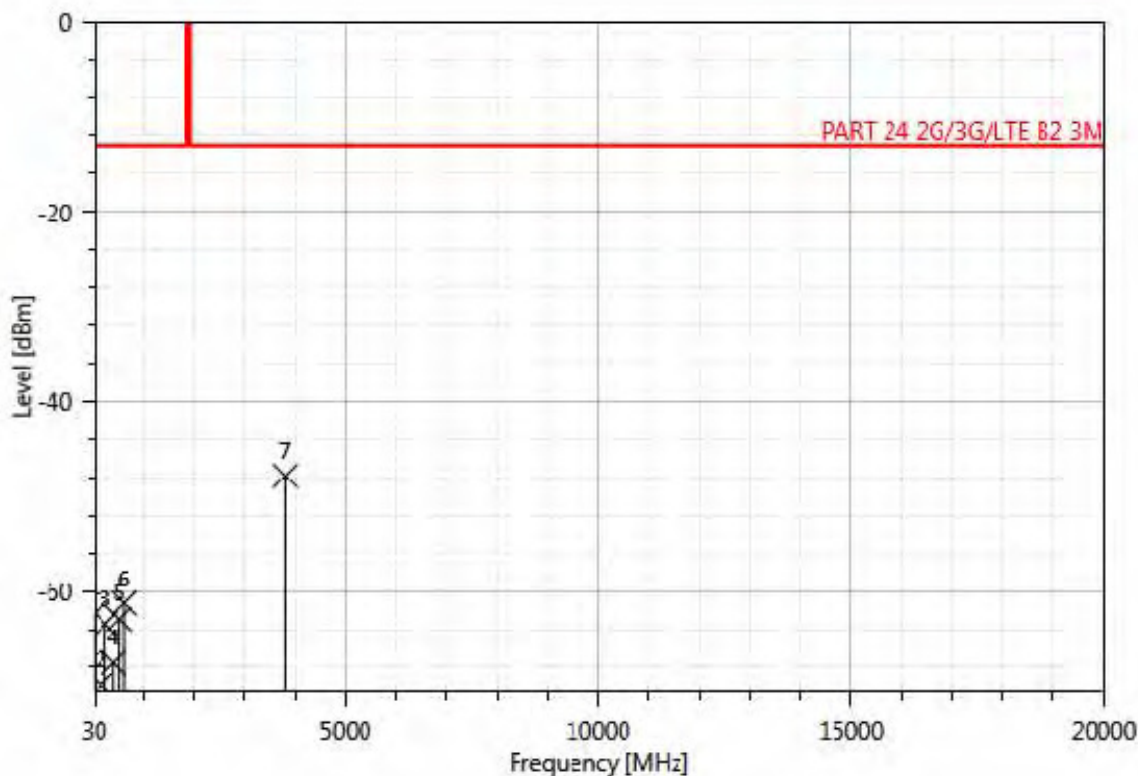
t (886-2) 2299-3279

f (886-2) 2298-0488

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Operation Mode : LTE B2 Test Date : 12/22/2016
Fundamental Frequency : 1905.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-62.28	-50.33	-10.96	-0.99	-13.00	-49.28
160.95	S	Peak	-69.85	-68.95	0.58	-1.48	-13.00	-56.85
253.10	S	Peak	-63.44	-67.34	5.66	-1.76	-13.00	-50.44
416.06	S	Peak	-67.51	-71.06	5.91	-2.36	-13.00	-54.51
527.61	S	Peak	-62.94	-66.32	5.86	-2.47	-13.00	-49.94
621.70	S	Peak	-61.26	-64.07	5.35	-2.53	-13.00	-48.26
3810.00	H	Peak	-47.84	-53.69	12.46	-6.62	-13.00	-34.84

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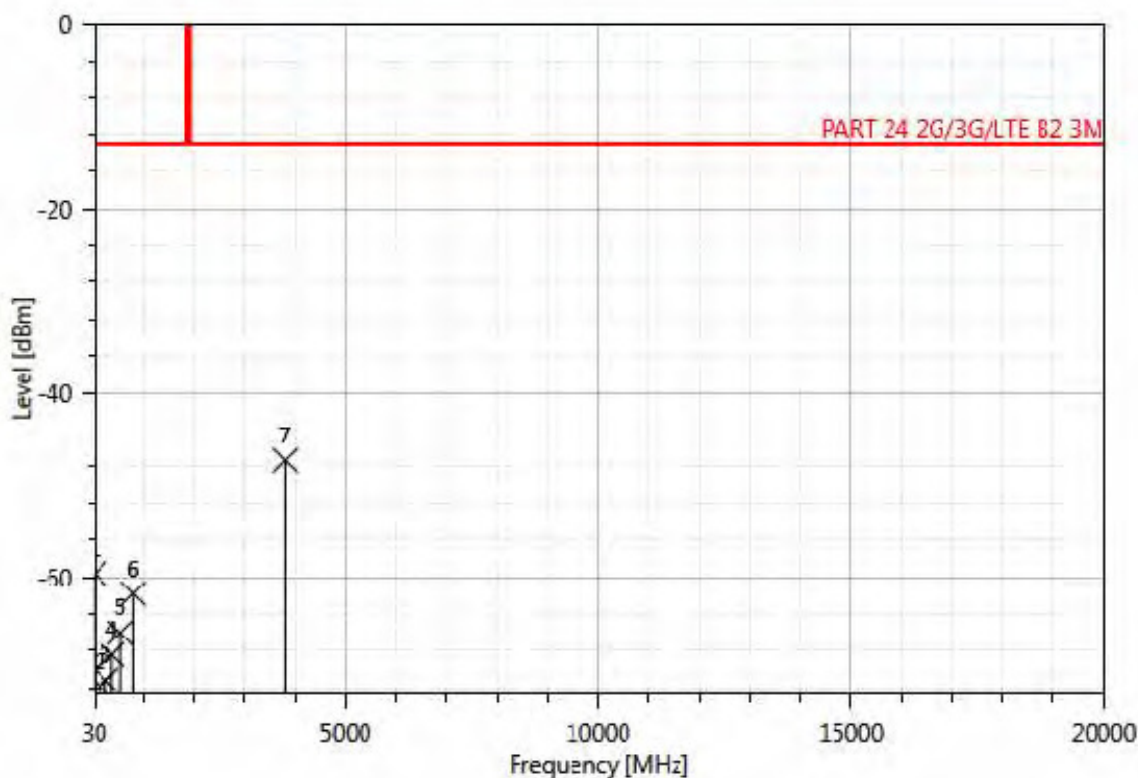
t (886-2) 2299-3279

f (886-2) 2298-0488

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Member of SGS Group

Operation Mode : LTE B2 Test Date : 12/22/2016
Fundamental Frequency : 1905.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-59.61	-47.66	-10.96	-0.99	-13.00	-46.61
151.25	S	Peak	-71.87	-70.55	0.11	-1.44	-13.00	-58.87
257.95	S	Peak	-71.16	-75.18	5.78	-1.77	-13.00	-58.16
382.11	S	Peak	-68.42	-72.13	5.98	-2.27	-13.00	-55.42
547.01	S	Peak	-66.04	-69.13	5.75	-2.67	-13.00	-53.04
796.30	S	Peak	-61.79	-64.37	5.48	-2.90	-13.00	-48.79
3810.00	H	Peak	-47.29	-53.13	12.46	-6.62	-13.00	-34.29

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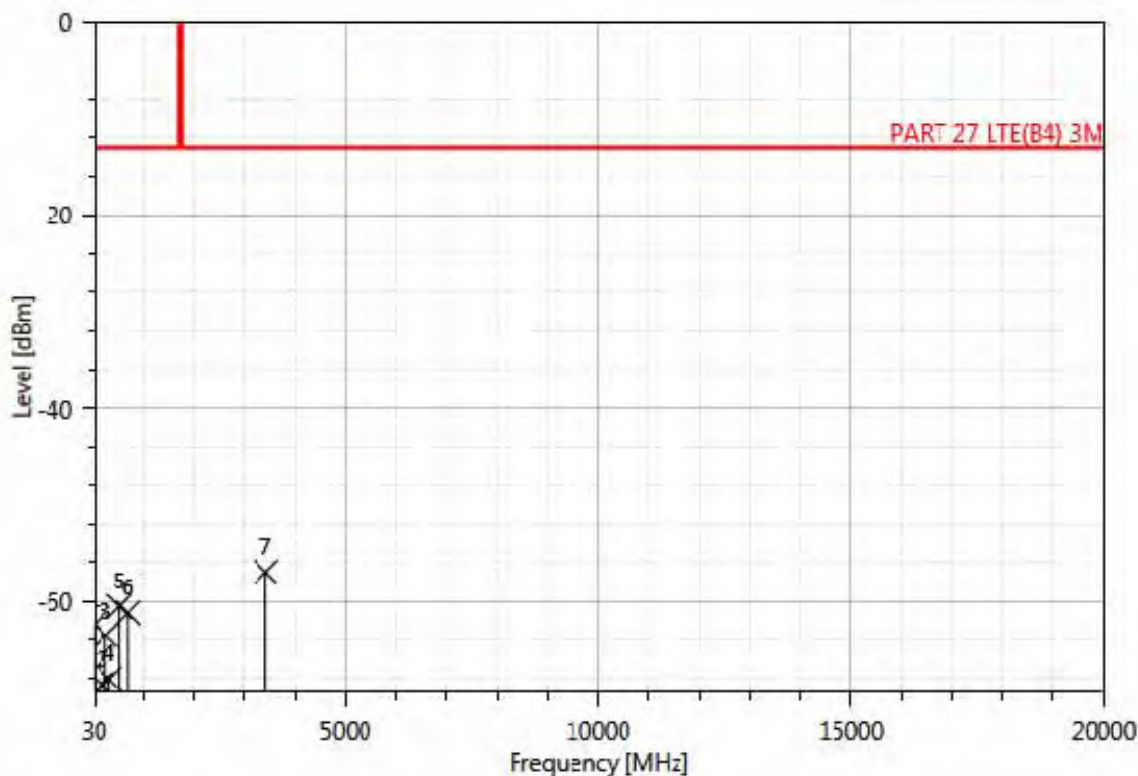
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Radiated Spurious Emission Measurement Result: LTE-Band 4 (The Worst Case)

Operation Mode :	LTE B4	Test Date :	12/22/2016
Fundamental Frequency :	1711.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-62.31	-50.36	-10.96	-0.99	-13.00	-49.31
170.65	S	Peak	-68.62	-68.46	1.36	-1.52	-13.00	-55.62
255.04	S	Peak	-63.55	-67.50	5.71	-1.76	-13.00	-50.55
330.70	S	Peak	-68.05	-72.06	5.92	-1.91	-13.00	-55.05
527.61	S	Peak	-60.53	-63.91	5.86	-2.47	-13.00	-47.53
696.39	S	Peak	-61.18	-63.50	5.24	-2.91	-13.00	-48.18
3423.00	H	Peak	-56.97	-63.01	12.27	-6.23	-13.00	-43.97

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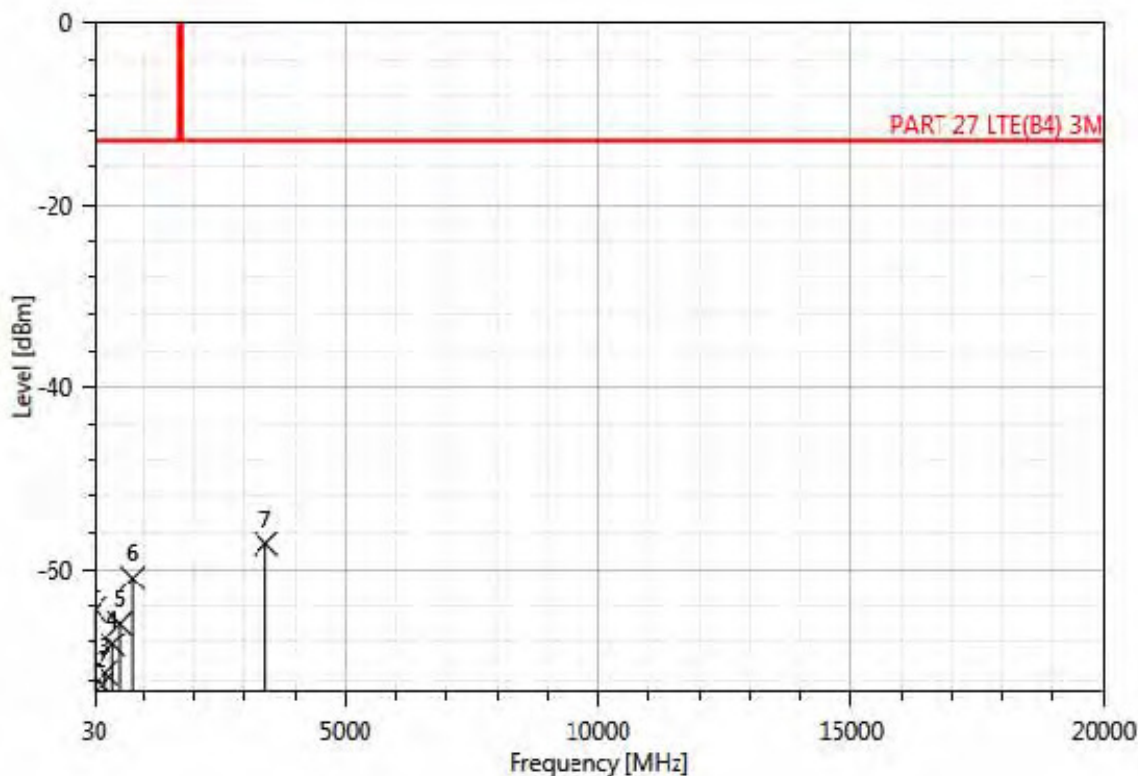
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f (886-2) 2298-0488

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Operation Mode : LTE B4 Test Date : 12/22/2016
Fundamental Frequency : 1711.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
37.76	S	Peak	-64.35	-52.19	-11.17	-0.98	-13.00	-51.35
172.59	S	Peak	-72.58	-72.77	1.71	-1.53	-13.00	-59.58
256.01	S	Peak	-71.27	-75.24	5.73	-1.77	-13.00	-58.27
396.66	S	Peak	-68.19	-71.81	5.97	-2.36	-13.00	-55.19
544.10	S	Peak	-65.87	-69.00	5.77	-2.64	-13.00	-52.87
786.60	S	Peak	-60.91	-63.46	5.45	-2.90	-13.00	-47.91
3423.00	H	Peak	-57.19	-63.23	12.27	-6.23	-13.00	-44.19

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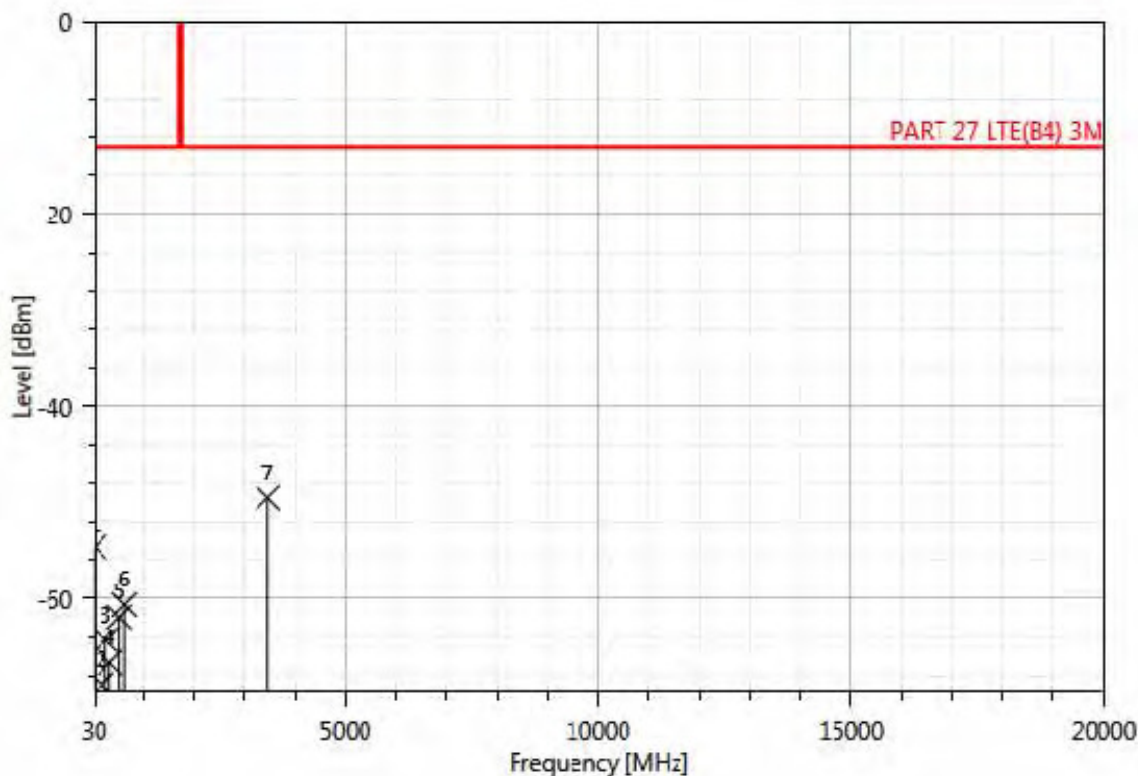
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f (886-2) 2298-0488

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Operation Mode : LTE B4 Test Date : 12/22/2016
Fundamental Frequency : 1732.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-54.65	-42.70	-10.96	-0.99	-13.00	-41.65
173.56	S	Peak	-68.93	-69.28	1.89	-1.53	-13.00	-55.93
257.95	S	Peak	-64.29	-68.30	5.78	-1.77	-13.00	-51.29
337.49	S	Peak	-66.63	-70.64	5.95	-1.95	-13.00	-53.63
527.61	S	Peak	-61.91	-65.29	5.86	-2.47	-13.00	-48.91
628.49	S	Peak	-60.63	-63.48	5.33	-2.47	-13.00	-47.63
3465.00	H	Peak	-49.52	-55.61	12.34	-6.25	-13.00	-36.52

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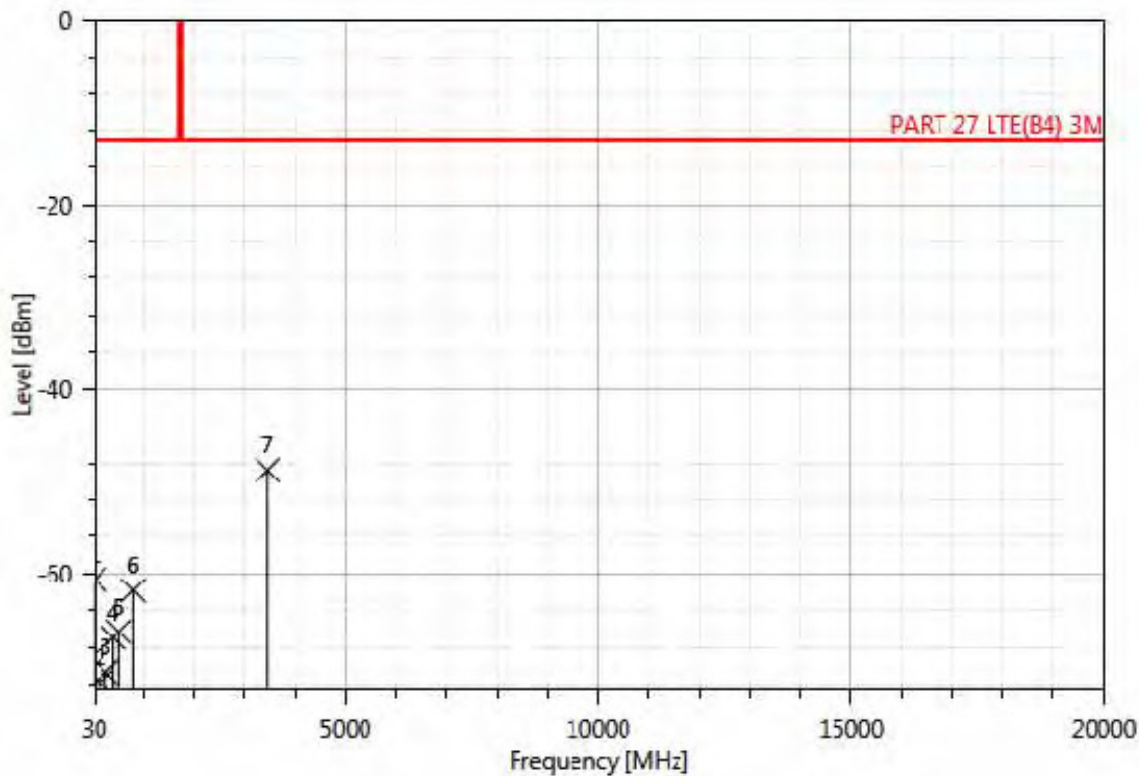
t (886-2) 2299-3279

f (886-2) 2298-0488

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Operation Mode :	LTE B4	Test Date :	12/22/2016
Fundamental Frequency :	1732.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-60.65	-48.69	-10.96	-0.99	-13.00	-47.65
153.19	S	Peak	-71.81	-70.56	0.20	-1.44	-13.00	-58.81
257.95	S	Peak	-70.67	-74.68	5.78	-1.77	-13.00	-57.67
408.30	S	Peak	-66.92	-70.45	5.94	-2.41	-13.00	-53.92
519.85	S	Peak	-66.30	-69.80	5.90	-2.39	-13.00	-53.30
796.30	S	Peak	-61.82	-64.40	5.48	-2.90	-13.00	-48.82
3465.00	H	Peak	-48.78	-54.88	12.34	-6.25	-13.00	-35.78

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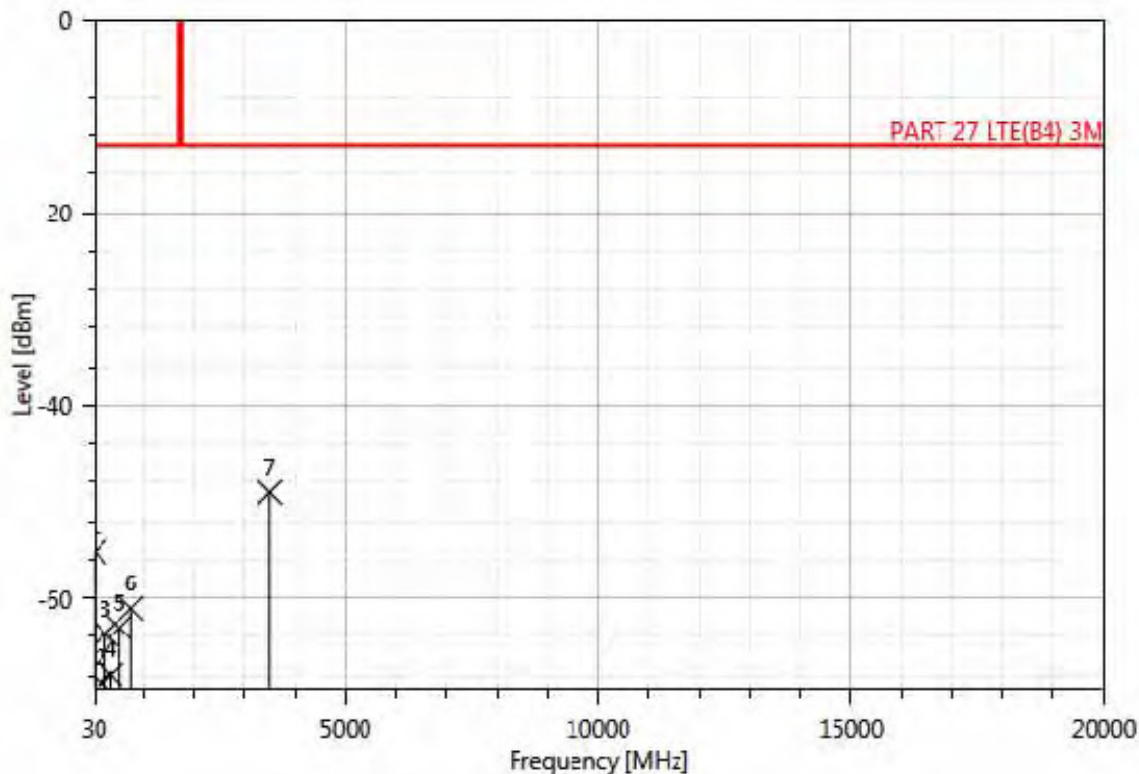
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Operation Mode : LTE B4 Test Date : 12/22/2016
Fundamental Frequency : 1753.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-55.22	-43.26	-10.96	-0.99	-13.00	-42.22
158.04	S	Peak	-68.75	-67.71	0.42	-1.47	-13.00	-55.75
253.10	S	Peak	-63.67	-67.57	5.66	-1.76	-13.00	-50.67
367.56	S	Peak	-67.92	-71.74	6.00	-2.18	-13.00	-54.92
528.58	S	Peak	-63.05	-66.42	5.85	-2.48	-13.00	-50.05
749.74	S	Peak	-61.08	-63.33	5.33	-3.08	-13.00	-48.08
3507.00	H	Peak	-49.05	-54.97	12.40	-6.48	-13.00	-36.05

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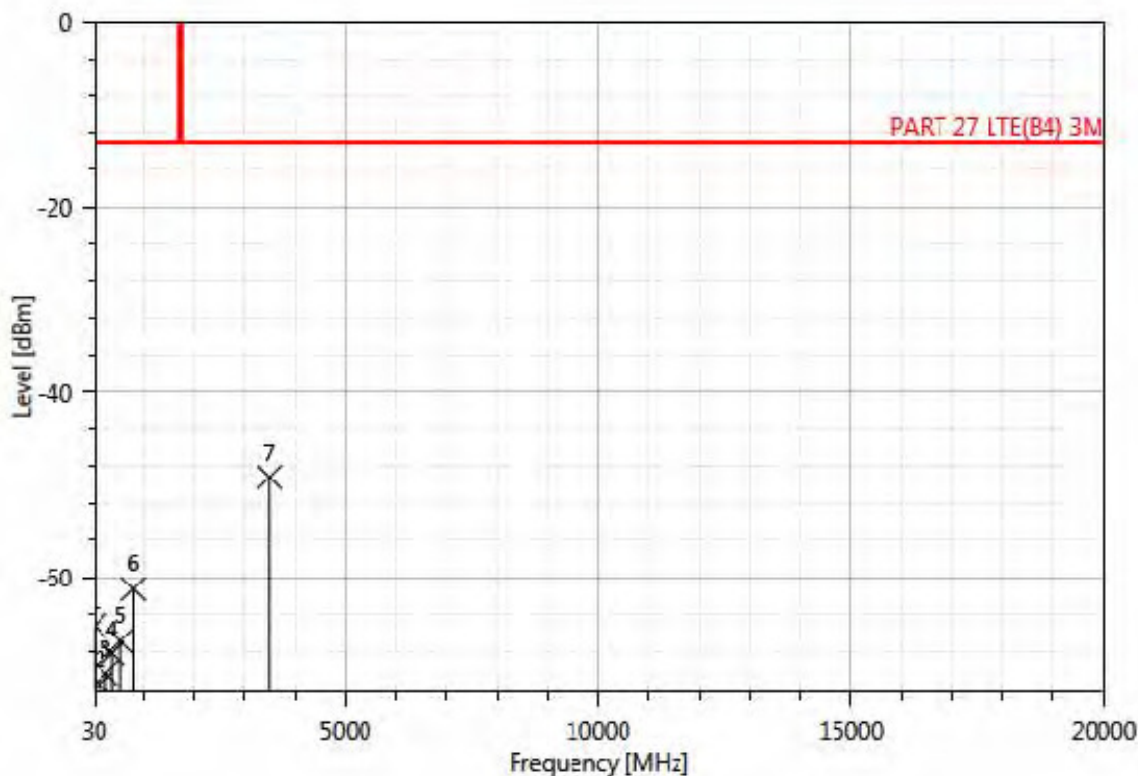
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Operation Mode : LTE B4 Test Date : 12/22/2016
Fundamental Frequency : 1753.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
37.76	S	Peak	-65.14	-52.99	-11.17	-0.98	-13.00	-52.14
146.40	S	Peak	-71.52	-69.94	-0.16	-1.42	-13.00	-58.52
259.89	S	Peak	-70.31	-74.36	5.83	-1.77	-13.00	-57.31
388.90	S	Peak	-68.16	-71.83	5.98	-2.31	-13.00	-55.16
548.95	S	Peak	-66.83	-69.88	5.74	-2.69	-13.00	-53.83
799.21	S	Peak	-61.21	-63.80	5.49	-2.90	-13.00	-48.21
3507.00	H	Peak	-49.13	-55.05	12.40	-6.48	-13.00	-36.13

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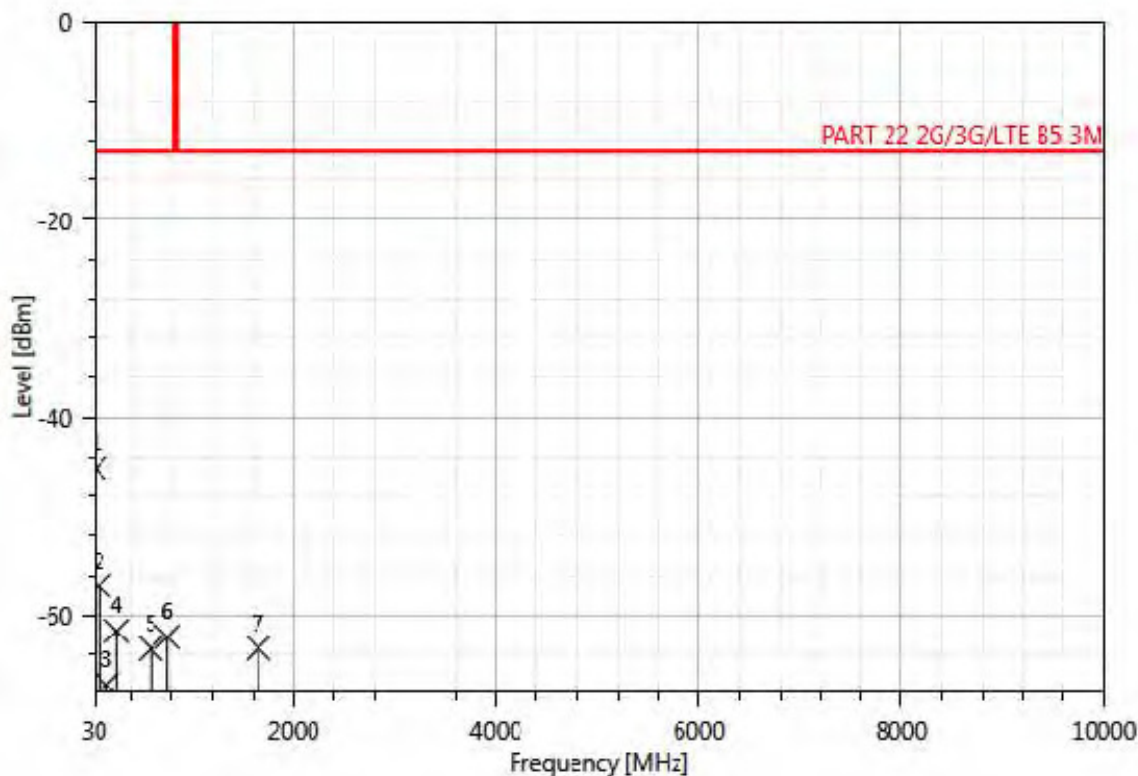
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Radiated Spurious Emission Measurement Result: LTE-Band 5 (The Worst Case)

Operation Mode :	LTE B5	Test Date :	12/22/2016
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-45.11	-31.01	-13.11	-0.99	-13.00	-32.11
76.56	S	Peak	-56.99	-51.98	-3.87	-1.14	-13.00	-43.99
154.16	S	Peak	-67.00	-63.65	-1.90	-1.45	-13.00	-54.00
255.04	S	Peak	-61.59	-63.39	3.56	-1.76	-13.00	-48.59
587.75	S	Peak	-63.37	-63.90	3.32	-2.79	-13.00	-50.37
754.59	S	Peak	-62.19	-62.34	3.20	-3.05	-13.00	-49.19
1651.00	H	Peak	-63.32	-68.36	9.27	-4.23	-13.00	-50.32

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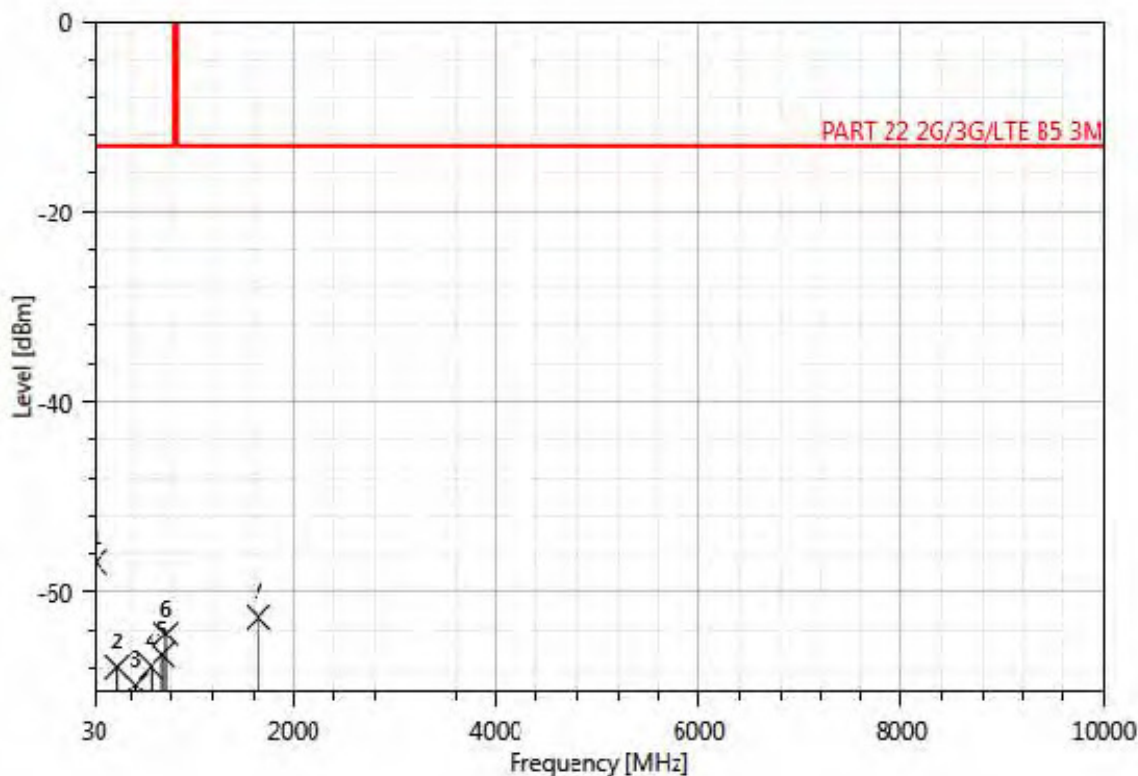
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 825.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-56.80	-42.70	-13.11	-0.99	-13.00	-43.80
259.89	S	Peak	-67.85	-69.76	3.68	-1.77	-13.00	-54.85
434.49	S	Peak	-69.71	-71.17	3.70	-2.24	-13.00	-56.71
590.66	S	Peak	-67.80	-68.31	3.31	-2.80	-13.00	-54.80
704.15	S	Peak	-66.61	-66.66	3.09	-3.03	-13.00	-53.61
741.01	S	Peak	-64.39	-64.42	3.16	-3.13	-13.00	-51.39
1651.00	H	Peak	-62.61	-67.64	9.27	-4.23	-13.00	-49.61

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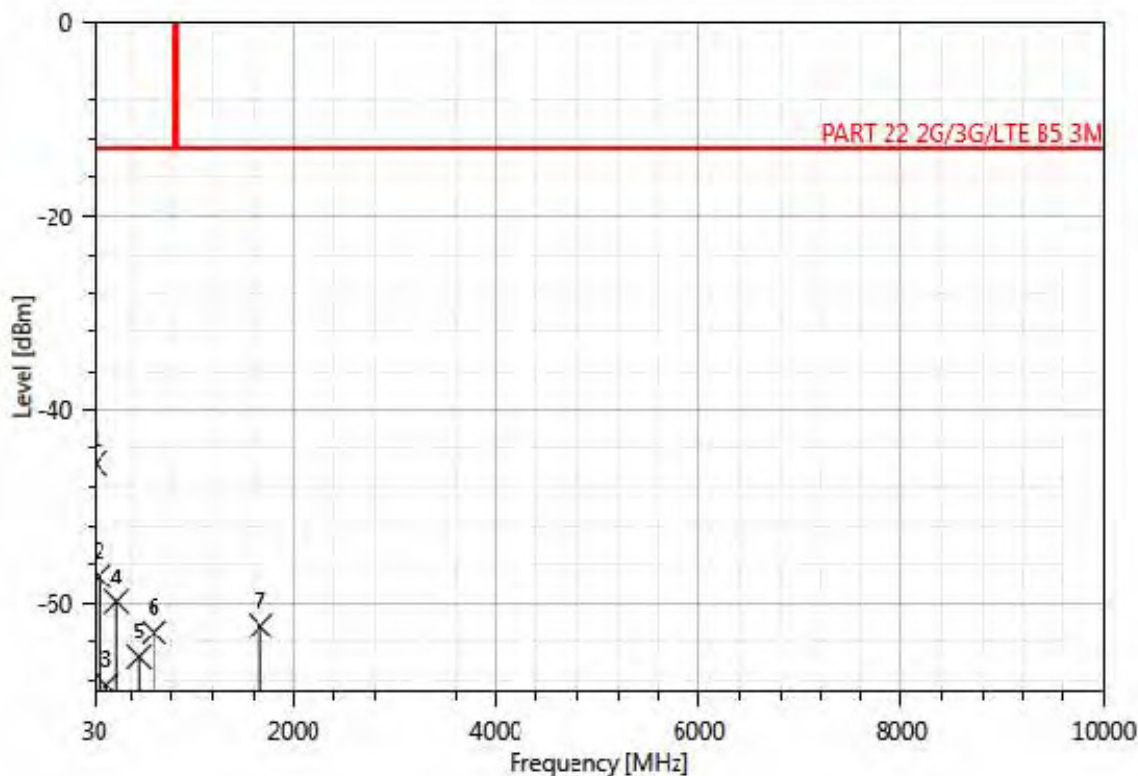
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 836.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-45.51	-31.41	-13.11	-0.99	-13.00	-32.51
76.56	S	Peak	-57.18	-52.17	-3.87	-1.14	-13.00	-44.18
153.19	S	Peak	-68.37	-64.97	-1.95	-1.44	-13.00	-55.37
253.10	S	Peak	-59.83	-61.58	3.51	-1.76	-13.00	-46.83
468.44	S	Peak	-65.54	-67.05	3.73	-2.22	-13.00	-52.54
619.76	S	Peak	-63.01	-63.65	3.20	-2.55	-13.00	-50.01
1673.00	H	Peak	-62.29	-67.35	9.35	-4.29	-13.00	-49.29

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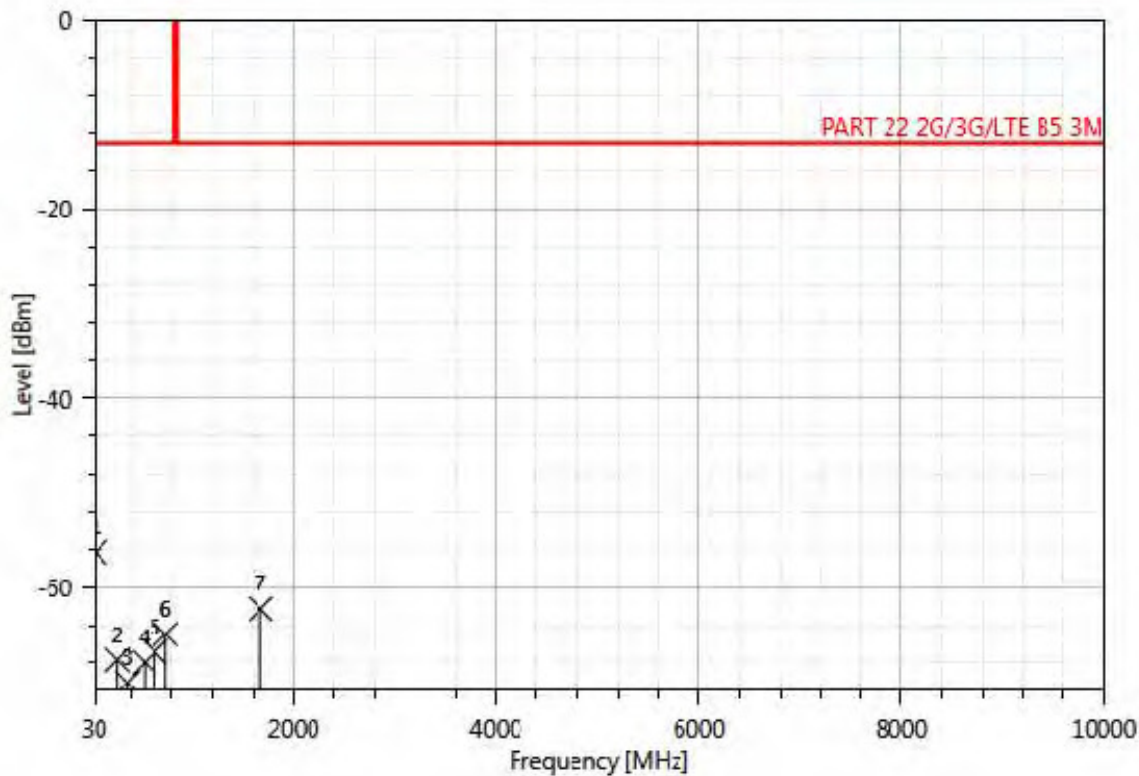
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Operation Mode :	LTE B5	Test Date :	12/22/2016
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-56.32	-42.22	-13.11	-0.99	-13.00	-43.32
259.89	S	Peak	-67.65	-69.55	3.68	-1.77	-13.00	-54.65
357.86	S	Peak	-70.06	-71.80	3.85	-2.11	-13.00	-57.06
527.61	S	Peak	-67.92	-69.15	3.71	-2.47	-13.00	-54.92
629.46	S	Peak	-66.83	-67.54	3.18	-2.47	-13.00	-53.83
736.16	S	Peak	-64.95	-64.98	3.15	-3.13	-13.00	-51.95
1673.00	H	Peak	-62.28	-67.34	9.35	-4.29	-13.00	-49.28

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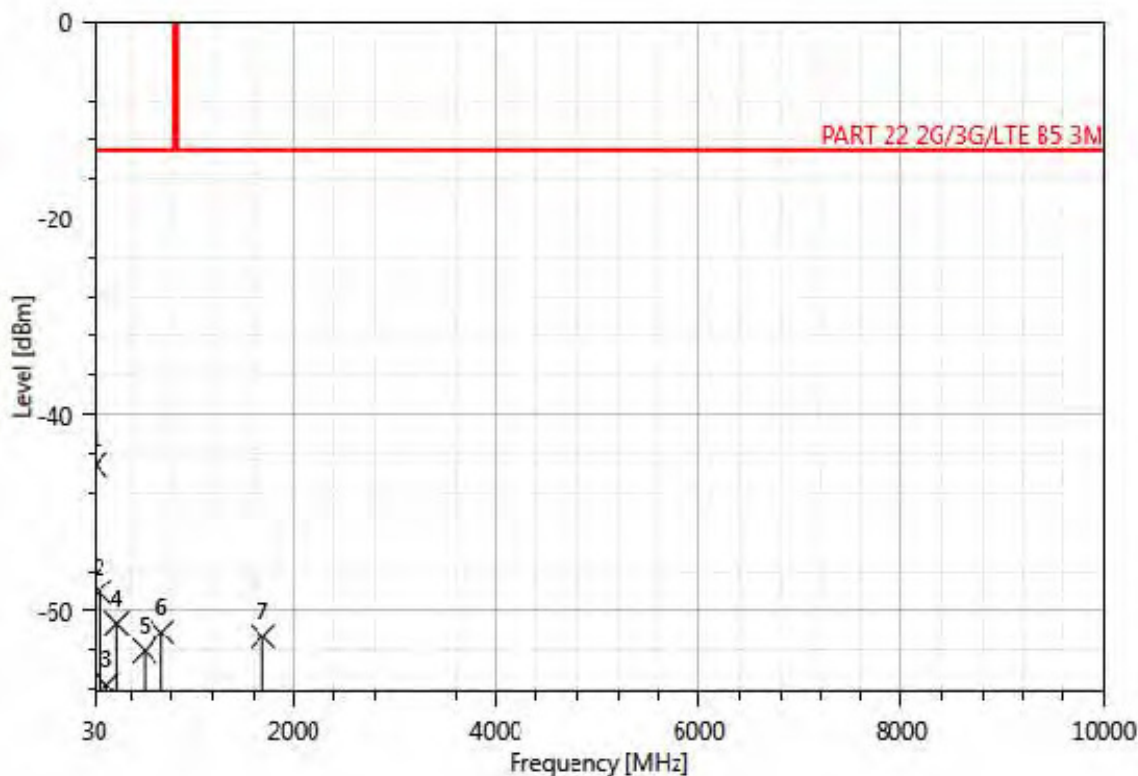
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 847.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-45.07	-30.97	-13.11	-0.99	-13.00	-32.07
78.50	S	Peak	-58.07	-53.62	-3.29	-1.15	-13.00	-45.07
154.16	S	Peak	-67.51	-64.16	-1.90	-1.45	-13.00	-54.51
255.04	S	Peak	-61.26	-63.06	3.56	-1.76	-13.00	-48.26
527.61	S	Peak	-64.11	-65.34	3.71	-2.47	-13.00	-51.11
697.36	S	Peak	-62.18	-62.33	3.08	-2.93	-13.00	-49.18
1695.00	H	Peak	-62.59	-67.71	9.42	-4.30	-13.00	-49.59

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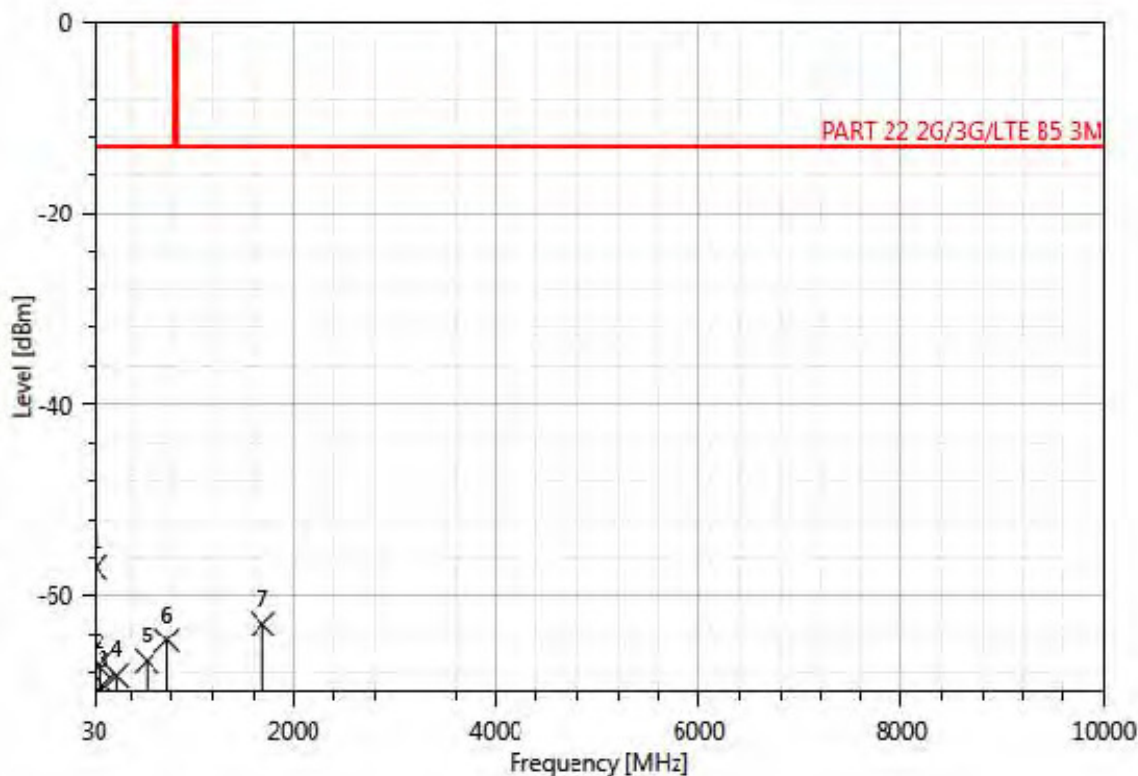
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 847.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-56.98	-42.88	-13.11	-0.99	-13.00	-43.98
76.56	S	Peak	-67.27	-62.26	-3.87	-1.14	-13.00	-54.27
119.24	S	Peak	-69.28	-65.52	-2.44	-1.32	-13.00	-56.28
255.04	S	Peak	-68.30	-70.10	3.56	-1.76	-13.00	-55.30
548.95	S	Peak	-66.81	-67.72	3.59	-2.69	-13.00	-53.81
750.71	S	Peak	-64.65	-64.76	3.18	-3.07	-13.00	-51.65
1695.00	H	Peak	-62.92	-68.04	9.42	-4.30	-13.00	-49.92

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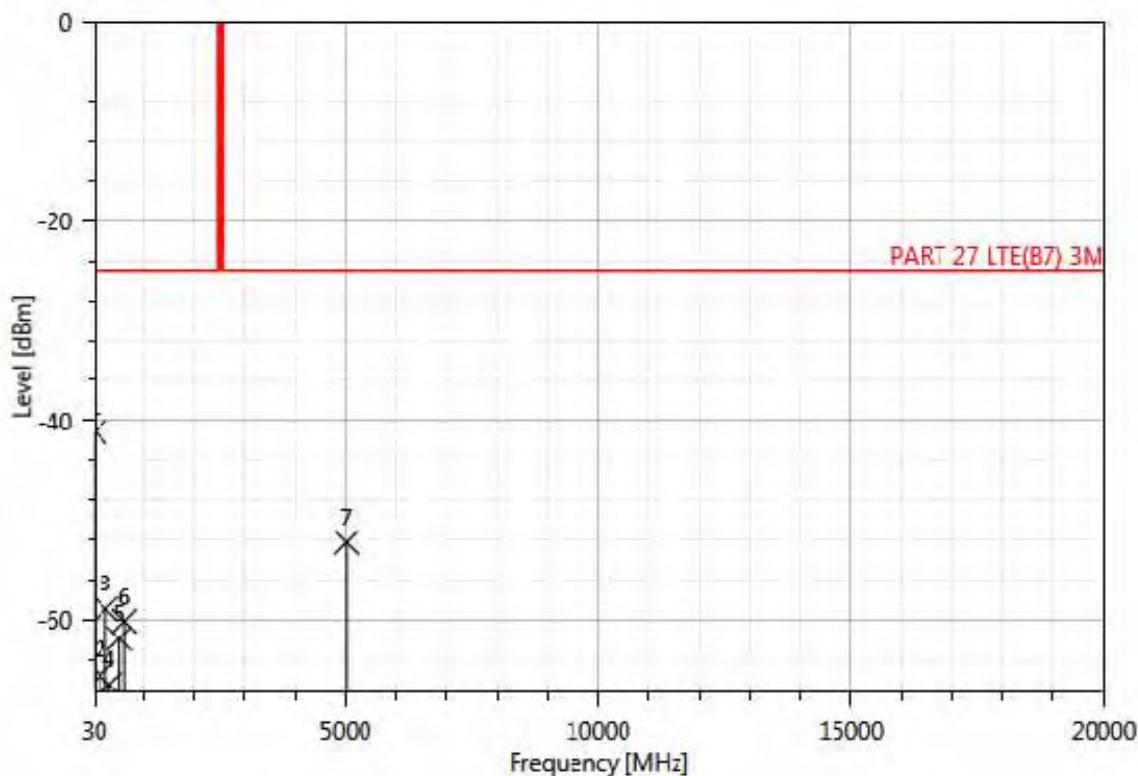
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Radiated Spurious Emission Measurement Result: LTE-Band 7 (The Worst Case)

Operation Mode :	LTE B7	Test Date :	12/22/2016
Fundamental Frequency :	2507.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-41.15	-29.20	-10.96	-0.99	-25.00	-16.15
153.19	S	Peak	-65.56	-64.32	0.20	-1.44	-25.00	-40.56
259.89	S	Peak	-58.95	-63.00	5.83	-1.77	-25.00	-33.95
332.64	S	Peak	-66.53	-70.55	5.93	-1.91	-25.00	-41.53
527.61	S	Peak	-61.92	-65.30	5.86	-2.47	-25.00	-36.92
626.55	S	Peak	-60.17	-63.01	5.34	-2.49	-25.00	-35.17
5015.00	H	Peak	-52.27	-57.17	12.71	-7.81	-25.00	-27.27

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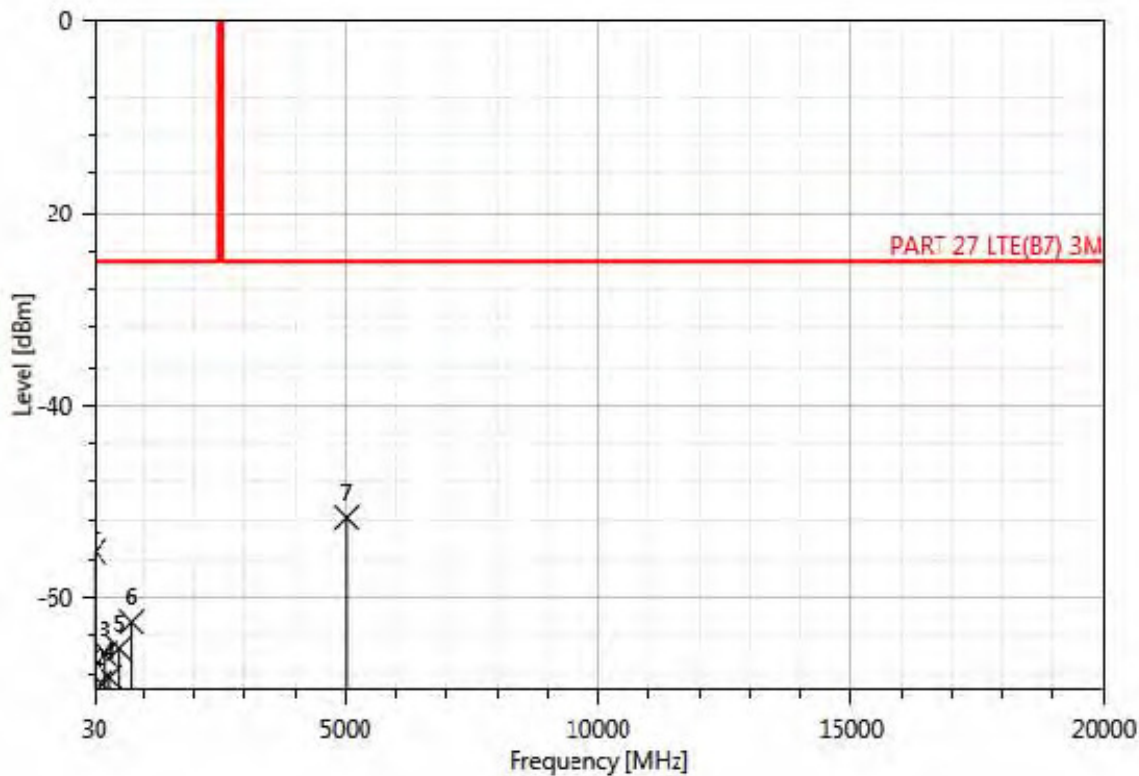
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Operation Mode :	LTE B7	Test Date :	12/22/2016
Fundamental Frequency :	2507.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
37.76	S	Peak	-55.21	-43.06	-11.17	-0.98	-25.00	-30.21
149.31	S	Peak	-68.79	-67.38	0.01	-1.43	-25.00	-43.79
255.04	S	Peak	-65.84	-69.79	5.71	-1.76	-25.00	-40.84
342.34	S	Peak	-68.21	-72.20	5.98	-1.99	-25.00	-43.21
527.61	S	Peak	-65.31	-68.69	5.86	-2.47	-25.00	-40.31
765.26	S	Peak	-62.47	-64.86	5.38	-2.98	-25.00	-37.47
5015.00	H	Peak	-51.62	-56.51	12.71	-7.81	-25.00	-26.62

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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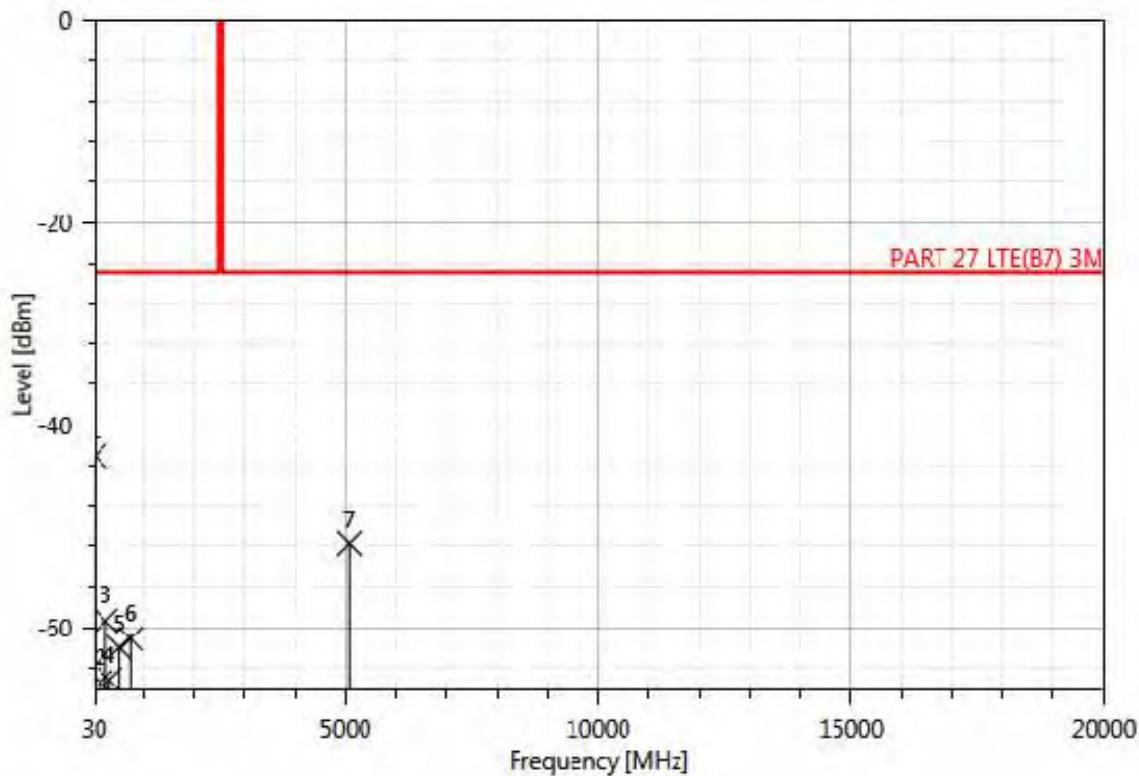
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Operation Mode :	LTE B7	Test Date :	12/22/2016
Fundamental Frequency :	2535 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-43.04	-31.35	-10.68	-1.00	-25.00	-18.04
153.19	S	Peak	-65.43	-64.19	0.20	-1.44	-25.00	-40.43
259.89	S	Peak	-59.34	-63.39	5.83	-1.77	-25.00	-34.34
330.70	S	Peak	-65.15	-69.16	5.92	-1.91	-25.00	-40.15
527.61	S	Peak	-61.98	-65.36	5.86	-2.47	-25.00	-36.98
749.74	S	Peak	-61.11	-63.36	5.33	-3.08	-25.00	-36.11
5070.00	H	Peak	-51.74	-56.61	12.73	-7.86	-25.00	-26.74

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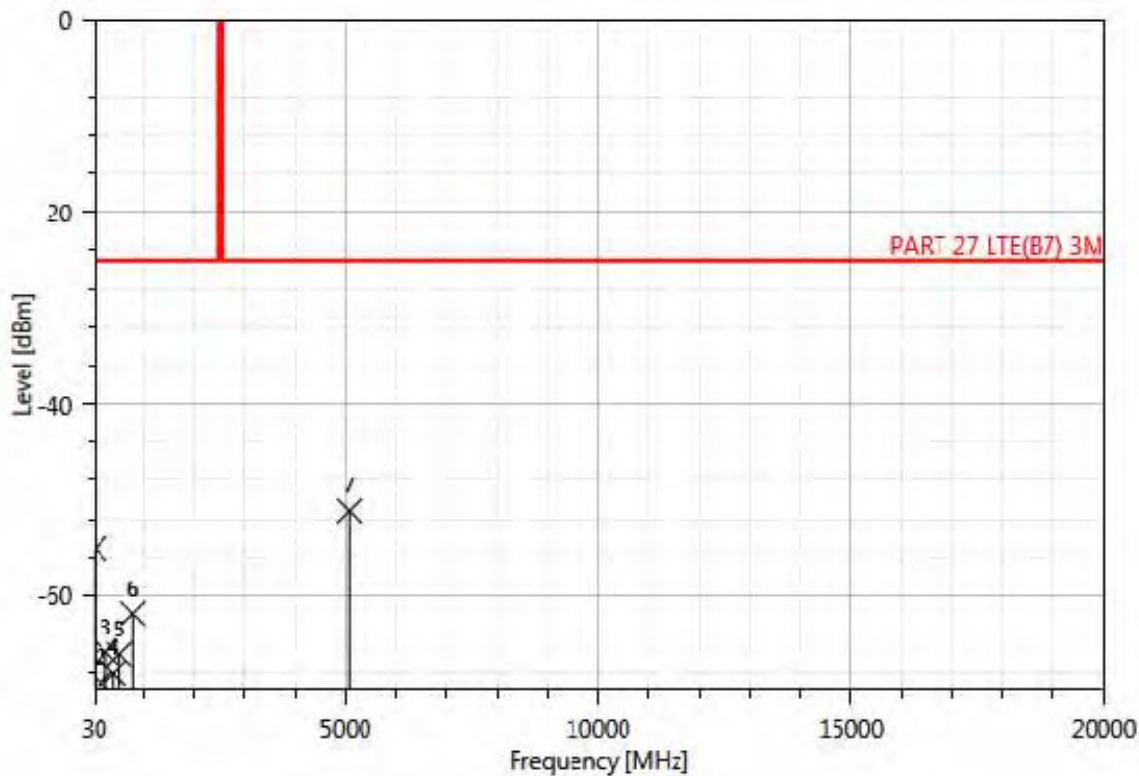
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Operation Mode :	LTE B7	Test Date :	12/22/2016
Fundamental Frequency :	2535 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-55.11	-43.16	-10.96	-0.99	-25.00	-30.11
153.19	S	Peak	-69.04	-67.80	0.20	-1.44	-25.00	-44.04
260.86	S	Peak	-65.91	-69.94	5.81	-1.78	-25.00	-40.91
413.15	S	Peak	-68.06	-71.61	5.92	-2.38	-25.00	-43.06
527.61	S	Peak	-66.11	-69.50	5.86	-2.47	-25.00	-41.11
789.51	S	Peak	-61.85	-64.40	5.46	-2.90	-25.00	-36.85
5070.00	H	Peak	-51.15	-56.01	12.73	-7.86	-25.00	-26.15

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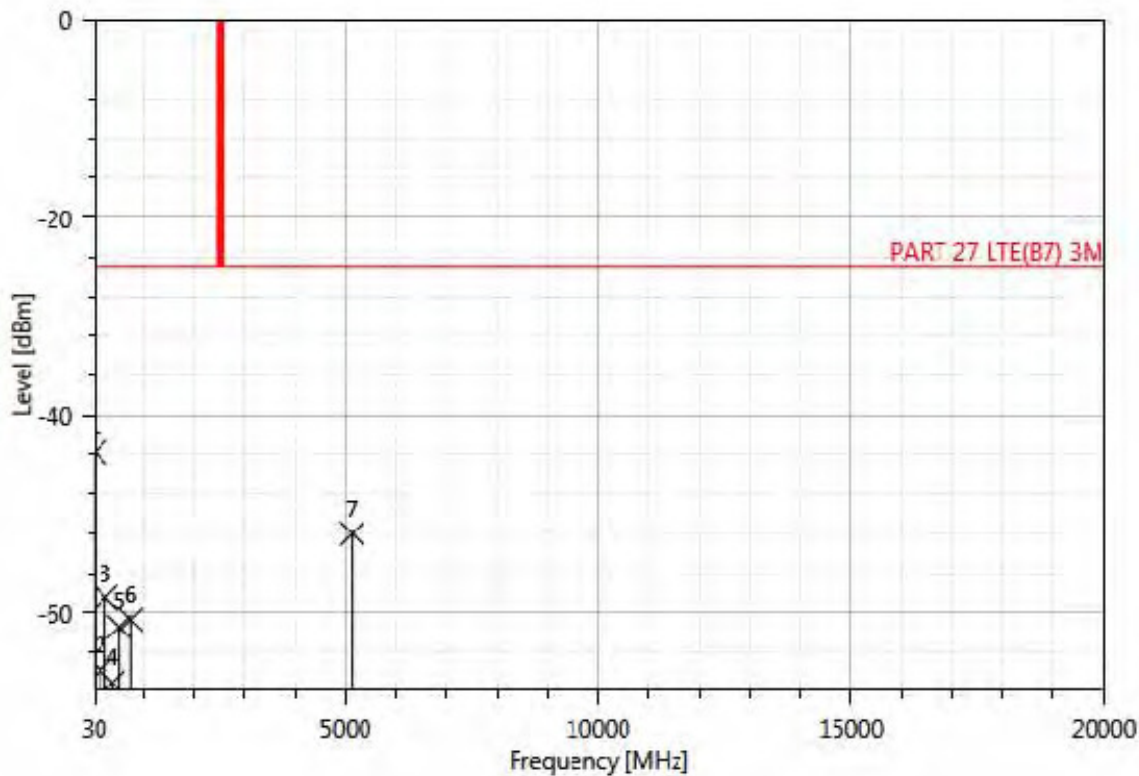
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Operation Mode :	LTE B7	Test Date :	12/22/2016
Fundamental Frequency :	2562.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-43.75	-31.79	-10.96	-0.99	-25.00	-18.75
154.16	S	Peak	-65.82	-64.62	0.25	-1.45	-25.00	-40.82
253.10	S	Peak	-58.49	-62.40	5.66	-1.76	-25.00	-33.49
395.69	S	Peak	-67.07	-70.69	5.97	-2.35	-25.00	-42.07
527.61	S	Peak	-61.43	-64.81	5.86	-2.47	-25.00	-36.43
749.74	S	Peak	-60.69	-62.94	5.33	-3.08	-25.00	-35.69
5125.00	H	Peak	-52.00	-56.85	12.75	-7.91	-25.00	-27.00

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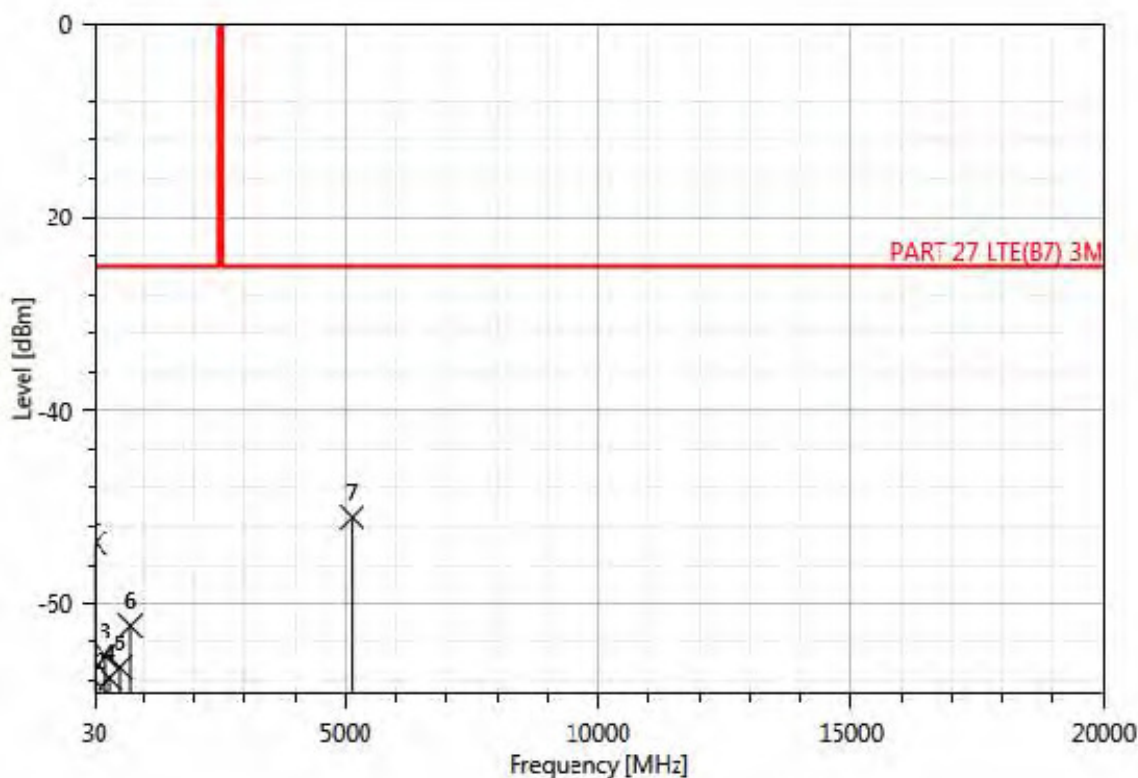
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Operation Mode : LTE B7 Test Date : 12/22/2016
Fundamental Frequency : 2562.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-53.71	-41.76	-10.96	-0.99	-25.00	-28.71
154.16	S	Peak	-68.58	-67.38	0.25	-1.45	-25.00	-43.58
259.89	S	Peak	-65.40	-69.46	5.83	-1.77	-25.00	-40.40
347.19	S	Peak	-67.66	-71.63	6.00	-2.02	-25.00	-42.66
544.10	S	Peak	-66.58	-69.71	5.77	-2.64	-25.00	-41.58
742.95	S	Peak	-62.25	-64.45	5.32	-3.12	-25.00	-37.25
5125.00	H	Peak	-51.04	-55.88	12.75	-7.91	-25.00	-26.04

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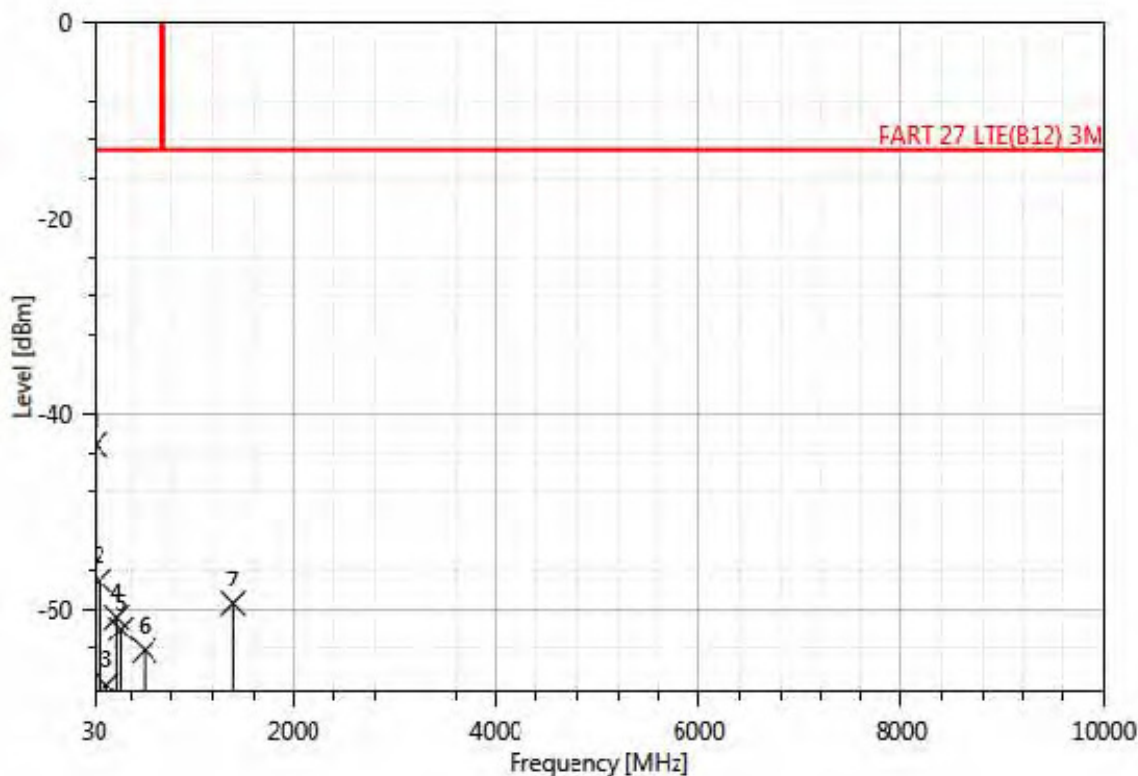
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Radiated Spurious Emission Measurement Result: LTE-Band 12 (The Worst Case)

Operation Mode :	LTE B12	Test Date :	12/22/2016
Fundamental Frequency :	700.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
41.64	S	Peak	-43.19	-29.36	-12.83	-1.00	-13.00	-30.19
78.50	S	Peak	-57.05	-52.60	-3.29	-1.15	-13.00	-44.05
154.16	S	Peak	-67.66	-64.30	-1.90	-1.45	-13.00	-54.66
255.04	S	Peak	-60.79	-62.58	3.56	-1.76	-13.00	-47.79
296.75	S	Peak	-61.99	-63.60	3.56	-1.95	-13.00	-48.99
527.61	S	Peak	-64.20	-65.43	3.71	-2.47	-13.00	-51.20
1401.00	H	Peak	-59.39	-63.77	8.28	-3.89	-13.00	-46.39

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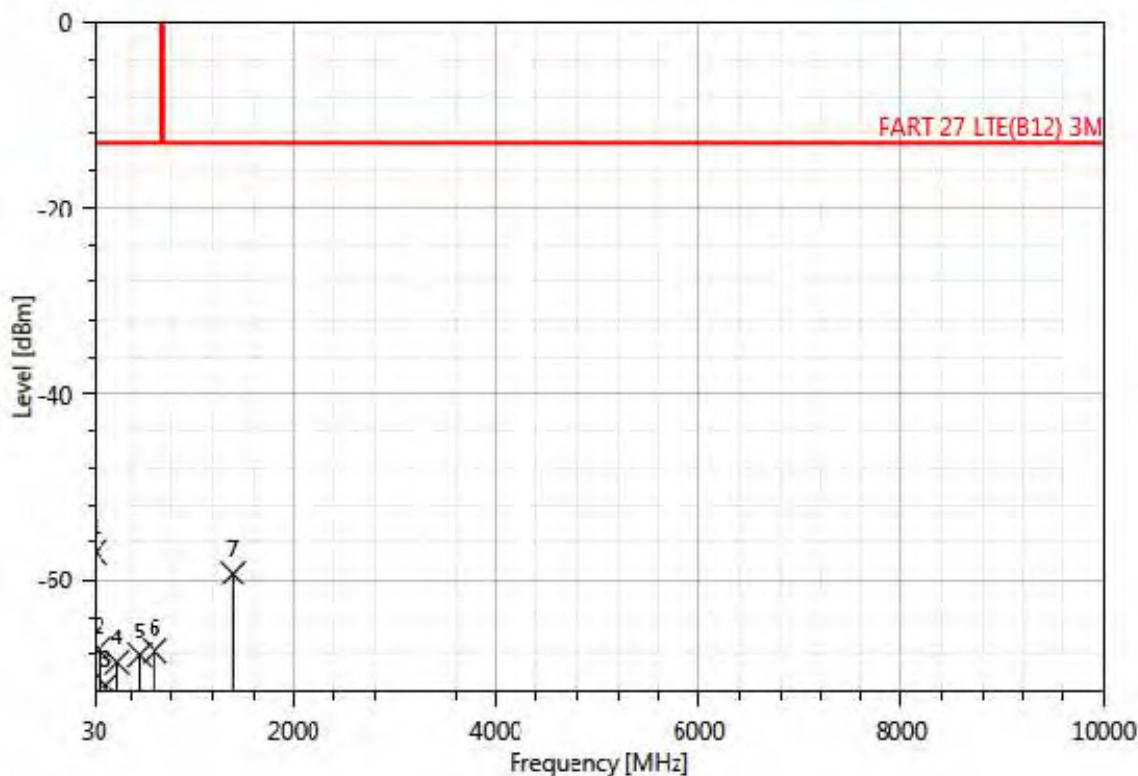
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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 700.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-57.03	-42.93	-13.11	-0.99	-13.00	-44.03
78.50	S	Peak	-67.53	-63.09	-3.29	-1.15	-13.00	-54.53
149.31	S	Peak	-71.26	-67.69	-2.14	-1.43	-13.00	-58.26
257.95	S	Peak	-68.87	-70.74	3.63	-1.77	-13.00	-55.87
474.26	S	Peak	-68.11	-69.63	3.75	-2.23	-13.00	-55.11
628.49	S	Peak	-67.69	-68.40	3.18	-2.47	-13.00	-54.69
1401.00	H	Peak	-59.29	-63.68	8.28	-3.89	-13.00	-46.29

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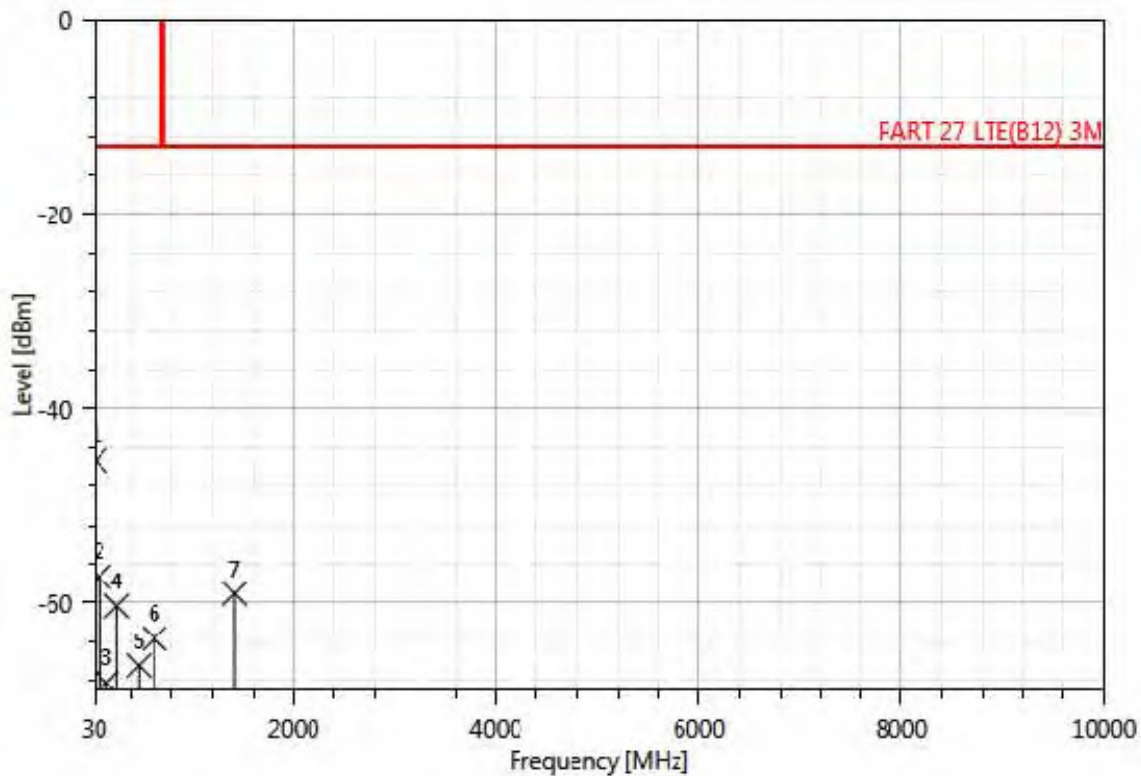
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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 707.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-45.31	-31.21	-13.11	-0.99	-13.00	-32.31
76.56	S	Peak	-57.33	-52.32	-3.87	-1.14	-13.00	-44.33
154.16	S	Peak	-68.22	-64.87	-1.90	-1.45	-13.00	-55.22
255.04	S	Peak	-60.35	-62.14	3.56	-1.76	-13.00	-47.35
468.44	S	Peak	-66.44	-67.95	3.73	-2.22	-13.00	-53.44
624.61	S	Peak	-63.69	-64.37	3.19	-2.51	-13.00	-50.69
1415.00	H	Peak	-59.07	-63.49	8.34	-3.91	-13.00	-46.07

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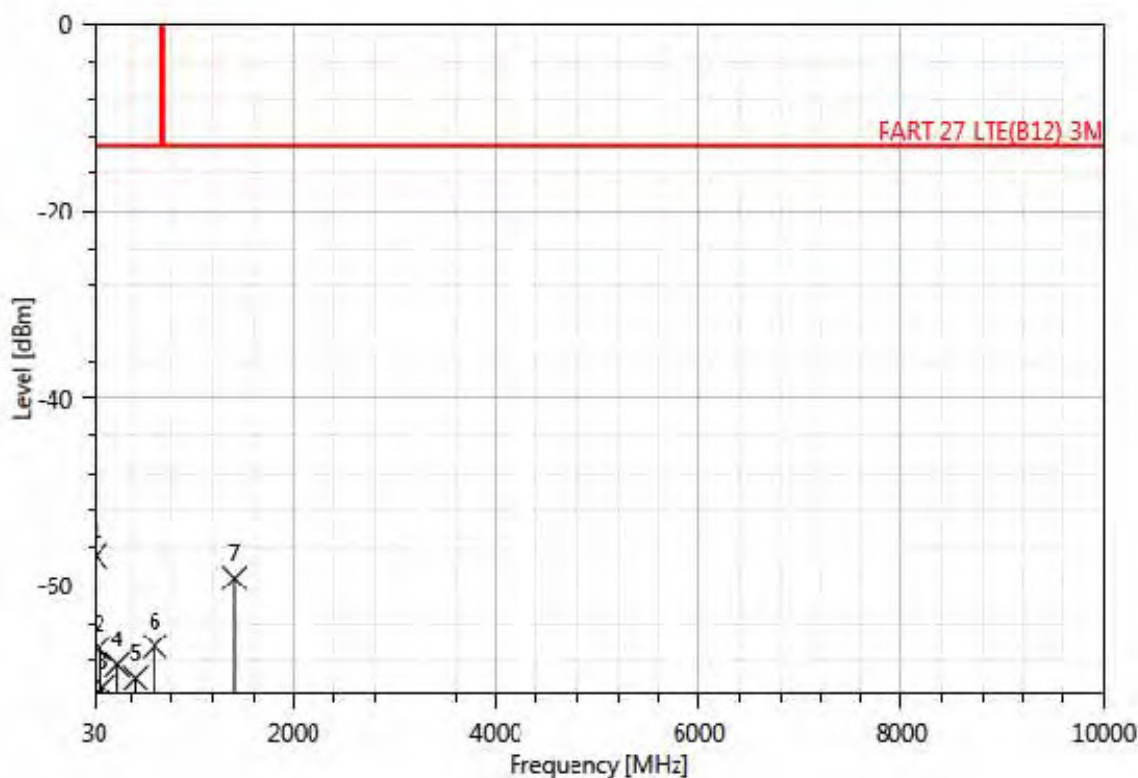
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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 707.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-56.84	-42.74	-13.11	-0.99	-13.00	-43.84
78.50	S	Peak	-66.71	-62.26	-3.29	-1.15	-13.00	-53.71
117.30	S	Peak	-70.78	-67.01	-2.45	-1.31	-13.00	-57.78
259.89	S	Peak	-68.42	-70.32	3.68	-1.77	-13.00	-55.42
435.46	S	Peak	-69.85	-71.31	3.69	-2.23	-13.00	-56.85
628.49	S	Peak	-66.48	-67.18	3.18	-2.47	-13.00	-53.48
1415.00	H	Peak	-59.17	-63.59	8.34	-3.91	-13.00	-46.17

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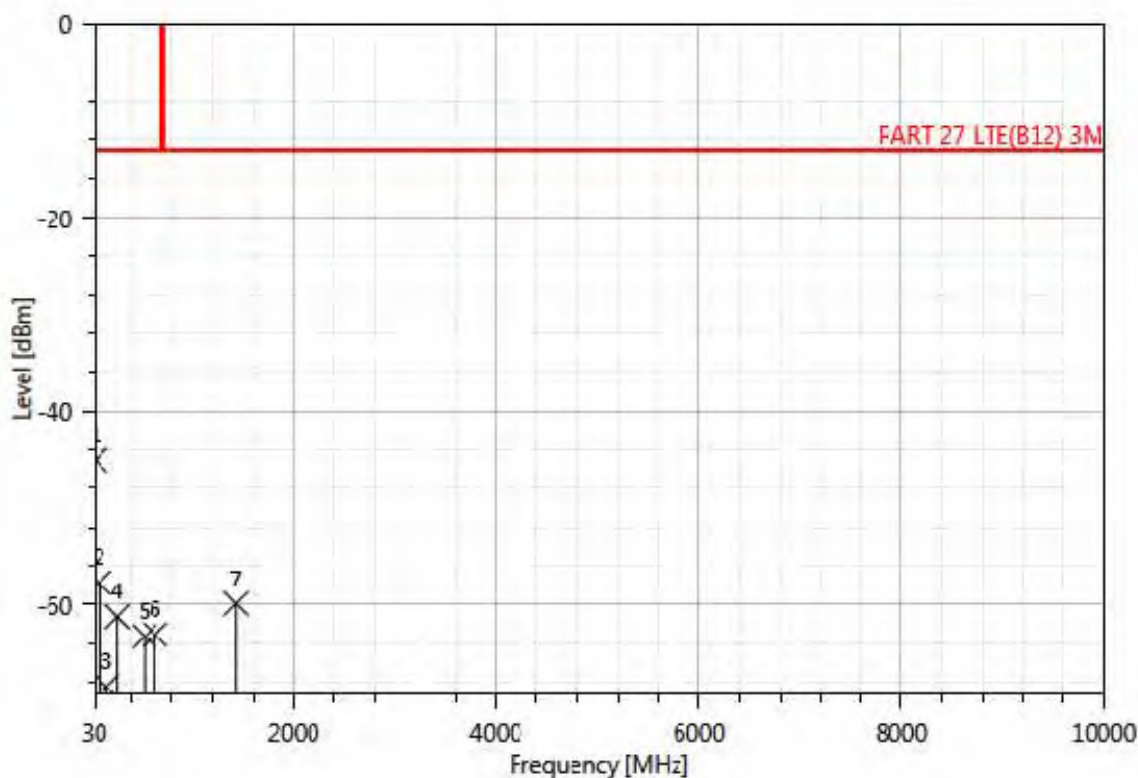
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f (886-2) 2298-0488

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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 714.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-45.04	-30.93	-13.11	-0.99	-13.00	-32.04
78.50	S	Peak	-57.73	-53.29	-3.29	-1.15	-13.00	-44.73
153.19	S	Peak	-68.44	-65.05	-1.95	-1.44	-13.00	-55.44
259.89	S	Peak	-61.22	-63.12	3.68	-1.77	-13.00	-48.22
527.61	S	Peak	-63.26	-64.49	3.71	-2.47	-13.00	-50.26
631.40	S	Peak	-63.08	-63.79	3.18	-2.46	-13.00	-50.08
1429.00	H	Peak	-59.88	-64.35	8.40	-3.94	-13.00	-46.88

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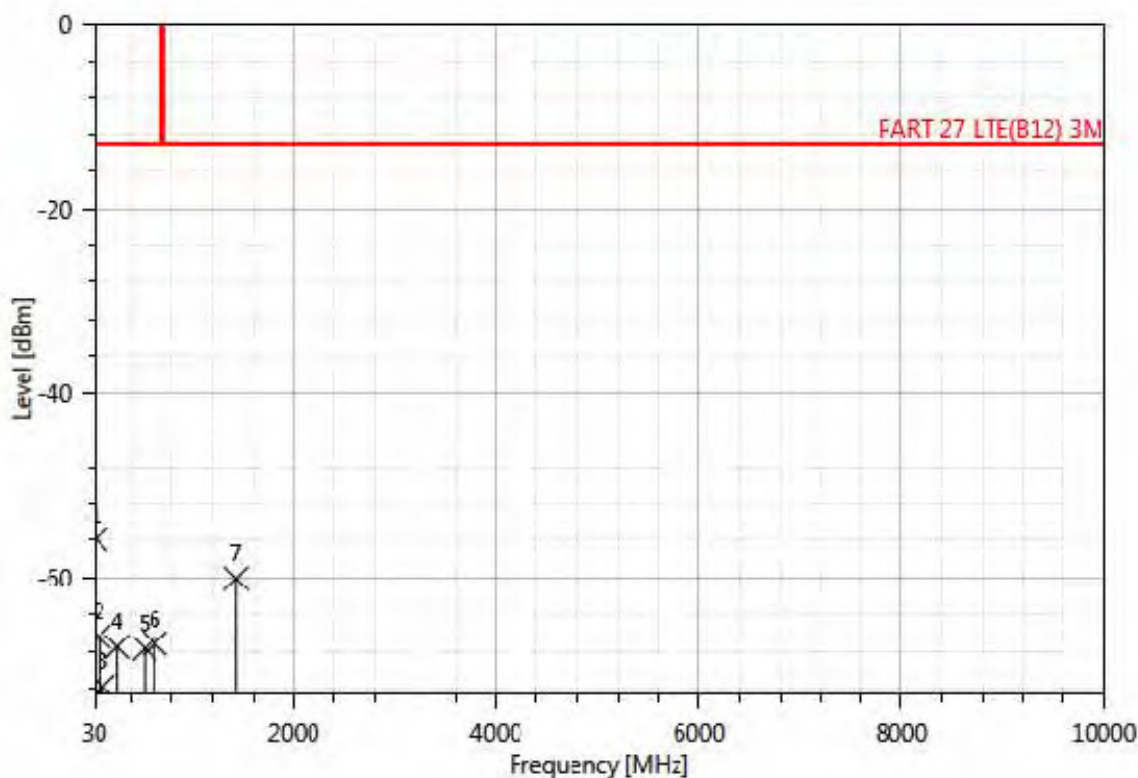
t (886-2) 2299-3279

f (886-2) 2298-0488

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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 714.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-55.84	-41.74	-13.11	-0.99	-13.00	-42.84
76.56	S	Peak	-66.41	-61.40	-3.87	-1.14	-13.00	-53.41
115.36	S	Peak	-71.80	-68.03	-2.46	-1.31	-13.00	-58.80
259.89	S	Peak	-67.50	-69.40	3.68	-1.77	-13.00	-54.50
527.61	S	Peak	-67.69	-68.93	3.71	-2.47	-13.00	-54.69
628.49	S	Peak	-67.15	-67.85	3.18	-2.47	-13.00	-54.15
1429.00	H	Peak	-60.08	-64.54	8.40	-3.94	-13.00	-47.08

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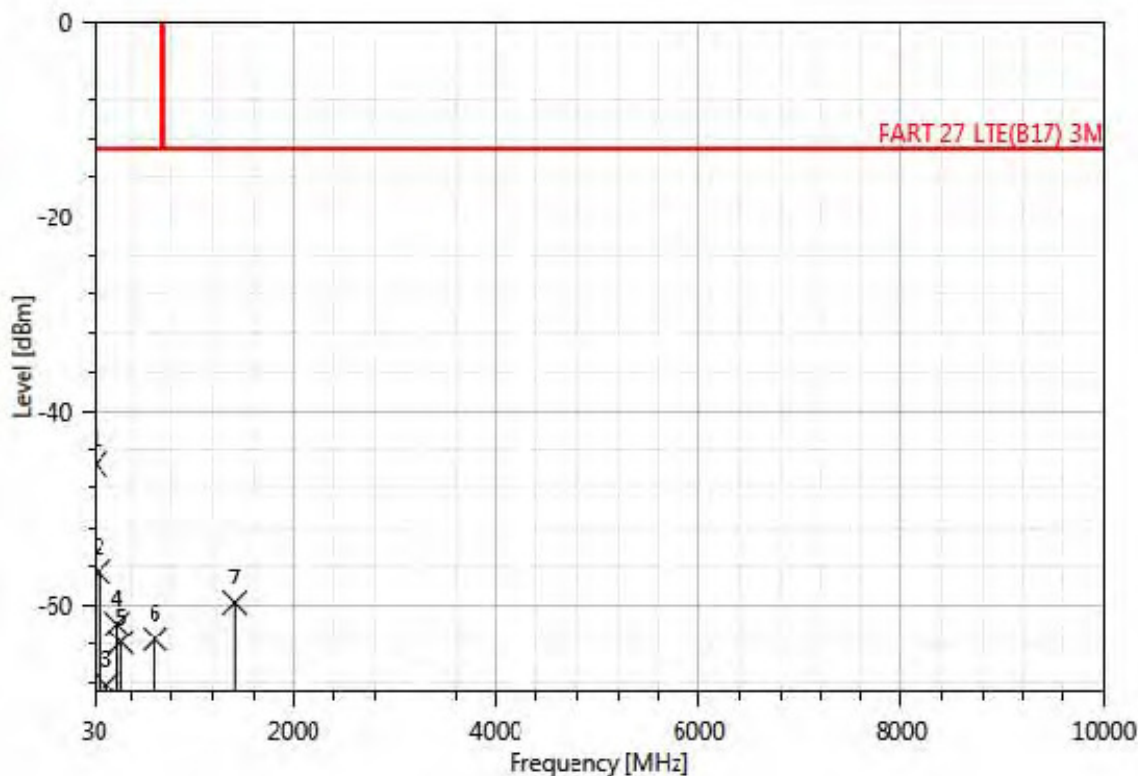
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Radiated Spurious Emission Measurement Result: LTE-Band 17 (The Worst Case)

Operation Mode :	LTE B17	Test Date :	12/22/2016
Fundamental Frequency :	709.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-45.44	-31.34	-13.11	-0.99	-13.00	-32.44
76.56	S	Peak	-56.52	-51.51	-3.87	-1.14	-13.00	-43.52
153.19	S	Peak	-68.16	-64.76	-1.95	-1.44	-13.00	-55.16
257.95	S	Peak	-61.93	-63.79	3.63	-1.77	-13.00	-48.93
294.81	S	Peak	-63.80	-65.38	3.52	-1.94	-13.00	-50.80
629.46	S	Peak	-63.49	-64.20	3.18	-2.47	-13.00	-50.49
1418.00	H	Peak	-59.77	-64.21	8.35	-3.92	-13.00	-46.77

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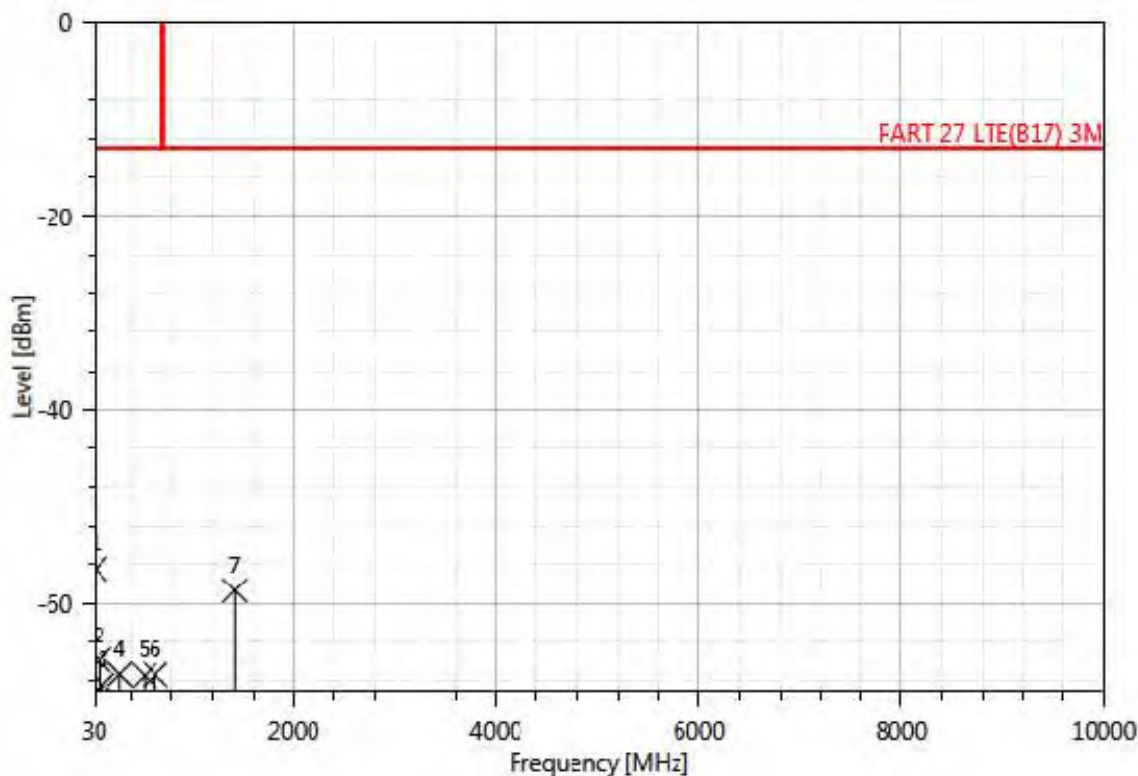
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Operation Mode : LTE B17 Test Date : 12/22/2016
Fundamental Frequency : 709.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-56.45	-42.35	-13.11	-0.99	-13.00	-43.45
78.50	S	Peak	-65.84	-61.40	-3.29	-1.15	-13.00	-52.84
115.36	S	Peak	-68.38	-64.61	-2.46	-1.31	-13.00	-55.38
282.20	S	Peak	-67.27	-68.81	3.42	-1.89	-13.00	-54.27
527.61	S	Peak	-67.41	-68.65	3.71	-2.47	-13.00	-54.41
633.34	S	Peak	-67.30	-68.01	3.17	-2.46	-13.00	-54.30
1418.00	H	Peak	-58.67	-63.10	8.35	-3.92	-13.00	-45.67

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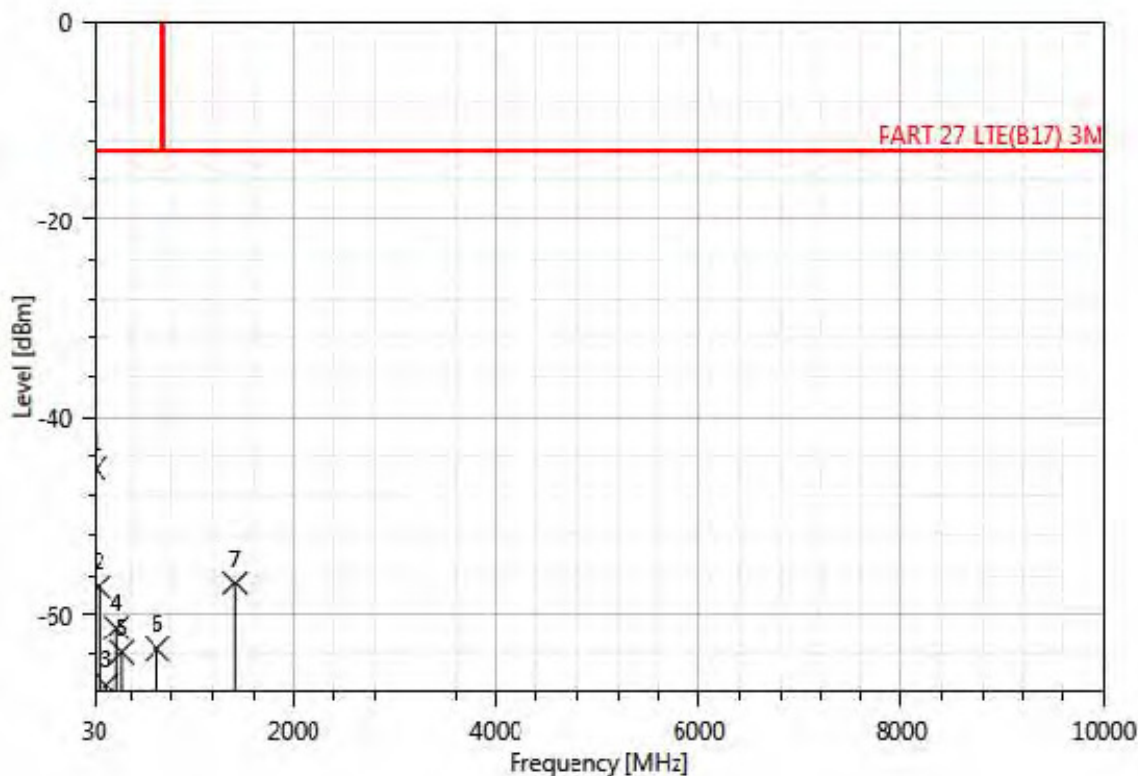
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Operation Mode : LTE B17 Test Date : 12/22/2016
Fundamental Frequency : 710.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-45.17	-31.07	-13.11	-0.99	-13.00	-32.17
76.56	S	Peak	-57.17	-52.16	-3.87	-1.14	-13.00	-44.17
153.19	S	Peak	-67.05	-63.66	-1.95	-1.44	-13.00	-54.05
253.10	S	Peak	-61.32	-63.08	3.51	-1.76	-13.00	-48.32
303.54	S	Peak	-63.80	-65.50	3.64	-1.94	-13.00	-50.80
652.74	S	Peak	-63.47	-64.21	3.14	-2.40	-13.00	-50.47
1420.00	H	Peak	-56.79	-61.22	8.36	-3.92	-13.00	-43.79

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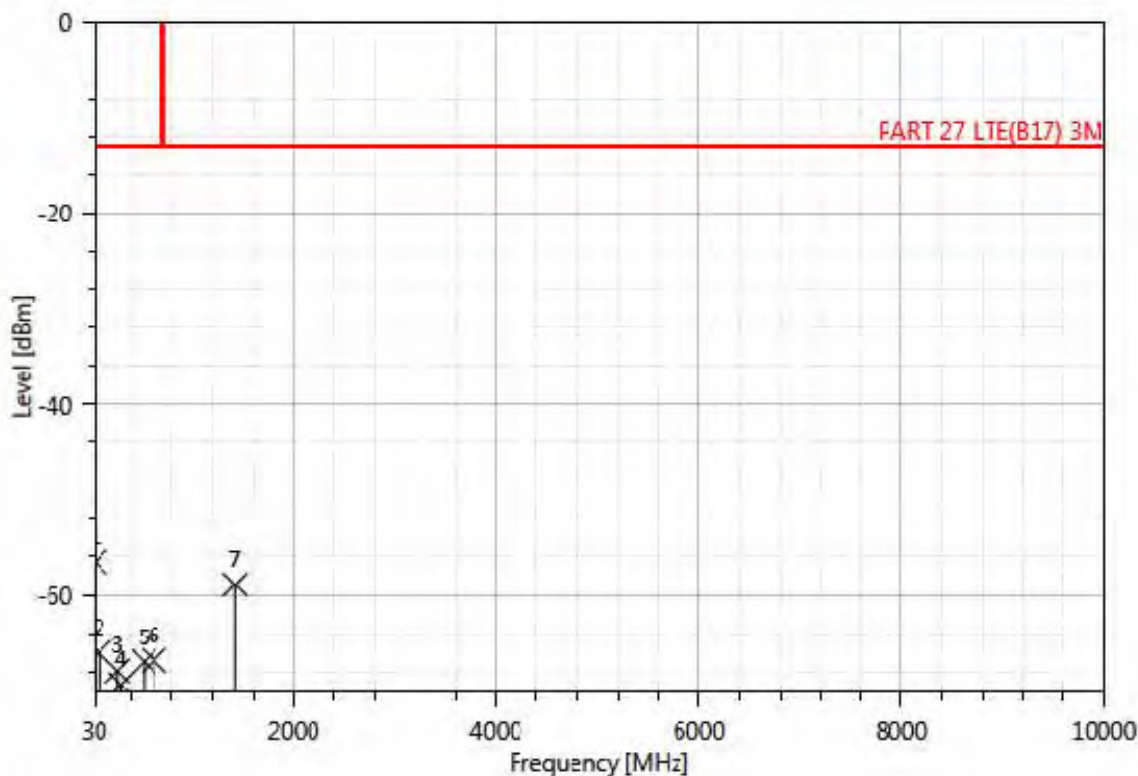
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Operation Mode : LTE B17 Test Date : 12/22/2016
Fundamental Frequency : 710.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
37.76	S	Peak	-56.54	-42.24	-13.32	-0.98	-13.00	-43.54
77.53	S	Peak	-66.03	-61.30	-3.58	-1.15	-13.00	-53.03
260.86	S	Peak	-67.93	-69.82	3.66	-1.78	-13.00	-54.93
296.75	S	Peak	-69.37	-70.98	3.56	-1.95	-13.00	-56.37
521.79	S	Peak	-66.98	-68.30	3.74	-2.41	-13.00	-53.98
618.79	S	Peak	-66.83	-67.48	3.20	-2.56	-13.00	-53.83
1420.00	H	Peak	-58.90	-63.34	8.36	-3.92	-13.00	-45.90

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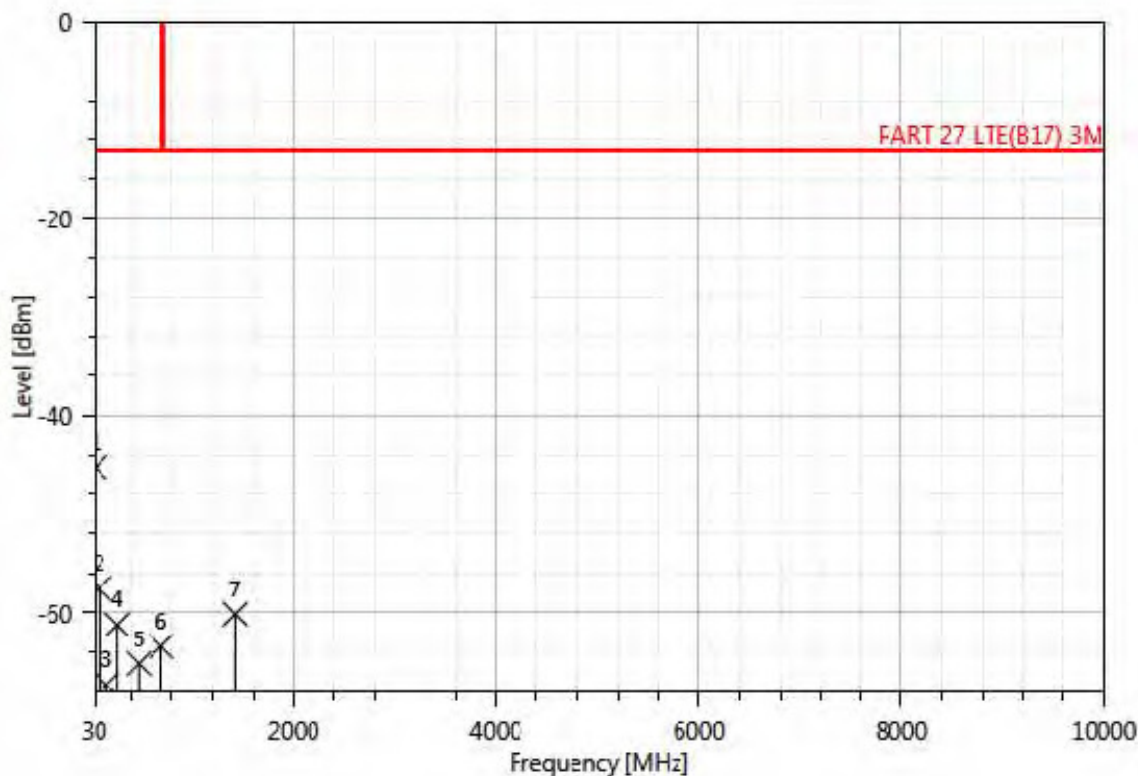
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Operation Mode : LTE B17 Test Date : 12/22/2016
Fundamental Frequency : 711.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-45.24	-31.14	-13.11	-0.99	-13.00	-32.24
78.50	S	Peak	-57.55	-53.10	-3.29	-1.15	-13.00	-44.55
153.19	S	Peak	-67.32	-63.93	-1.95	-1.44	-13.00	-54.32
259.89	S	Peak	-61.25	-63.15	3.68	-1.77	-13.00	-48.25
469.41	S	Peak	-65.19	-66.70	3.73	-2.22	-13.00	-52.19
691.54	S	Peak	-63.44	-63.71	3.09	-2.83	-13.00	-50.44
1422.00	H	Peak	-60.16	-64.60	8.37	-3.93	-13.00	-47.16

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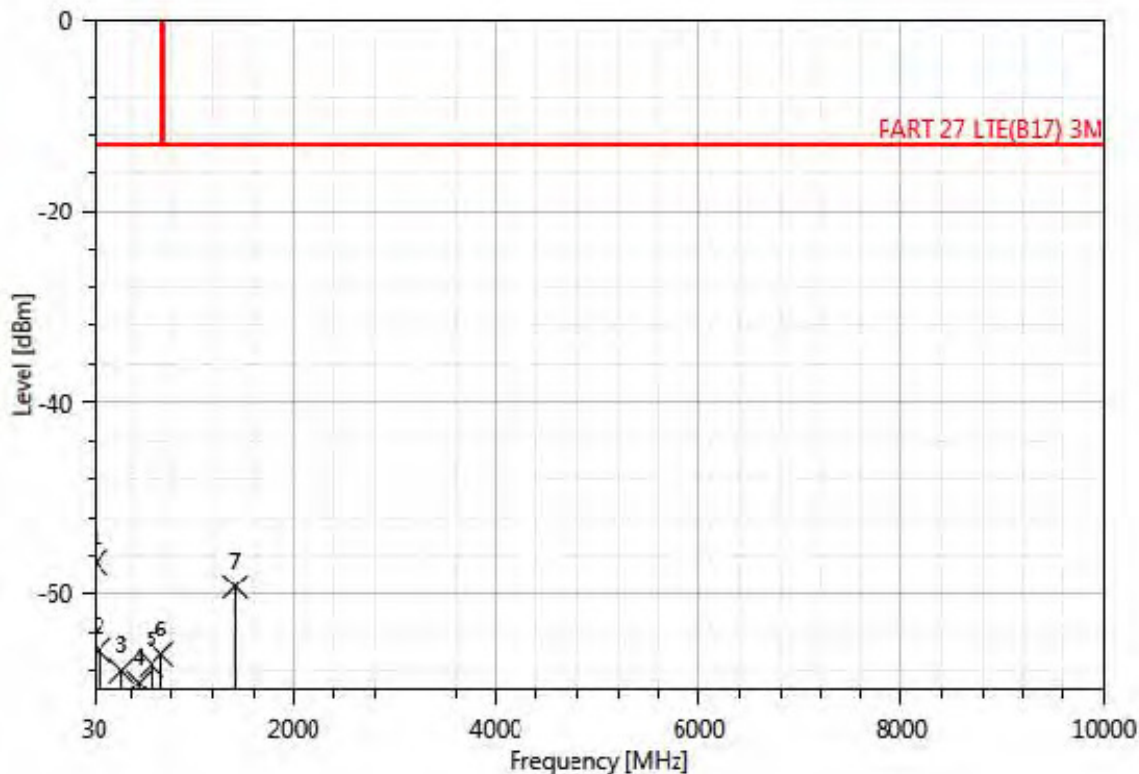
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Operation Mode :	LTE B17	Test Date :	12/22/2016
Fundamental Frequency :	711.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-56.67	-42.57	-13.11	-0.99	-13.00	-43.67
76.56	S	Peak	-65.93	-60.92	-3.87	-1.14	-13.00	-52.93
298.69	S	Peak	-68.01	-69.66	3.60	-1.95	-13.00	-55.01
468.44	S	Peak	-69.27	-70.78	3.73	-2.22	-13.00	-56.27
595.51	S	Peak	-67.36	-67.86	3.27	-2.77	-13.00	-54.36
691.54	S	Peak	-66.33	-66.59	3.09	-2.83	-13.00	-53.33
1422.00	H	Peak	-59.26	-63.70	8.37	-3.93	-13.00	-46.26

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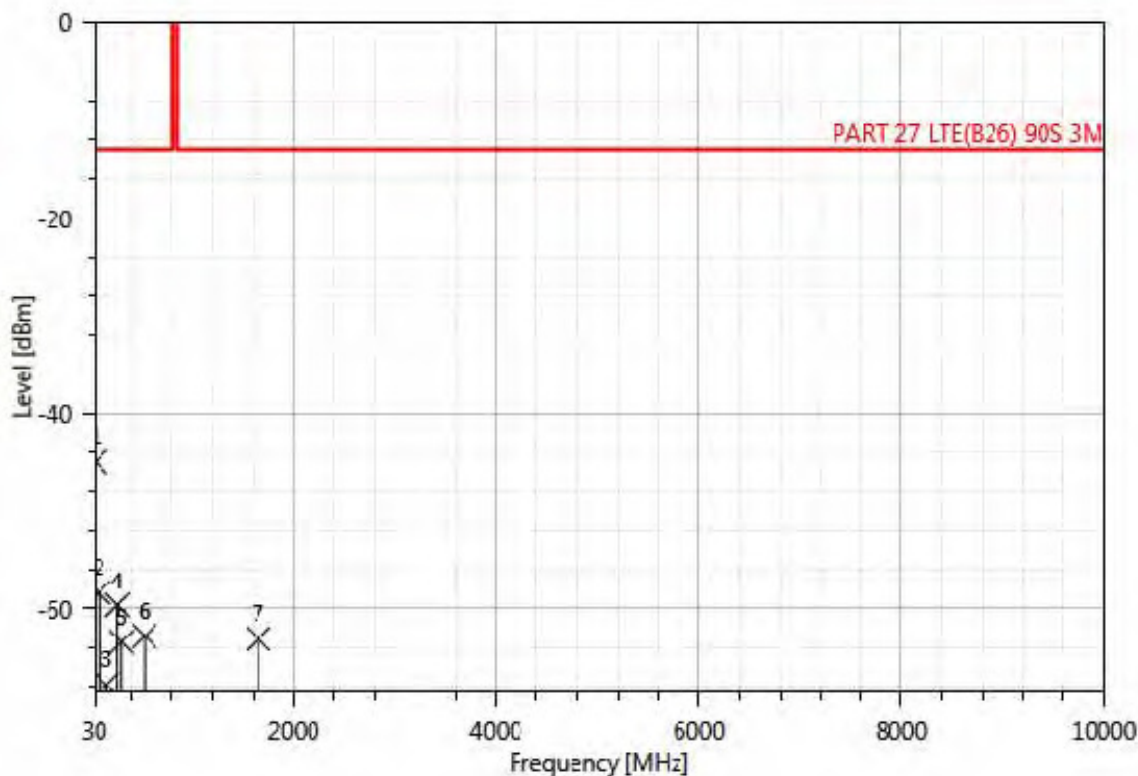
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Radiated Spurious Emission Measurement Result: LTE-Band 26 (The Worst Case)

Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-44.96	-30.86	-13.11	-0.99	-13.00	-31.96
76.56	S	Peak	-58.38	-53.38	-3.87	-1.14	-13.00	-45.38
153.19	S	Peak	-67.80	-64.41	-1.95	-1.44	-13.00	-54.80
259.89	S	Peak	-59.68	-61.58	3.68	-1.77	-13.00	-46.68
301.60	S	Peak	-63.44	-65.12	3.63	-1.94	-13.00	-50.44
527.61	S	Peak	-62.84	-64.07	3.71	-2.47	-13.00	-49.84
1651.00	H	Peak	-63.13	-68.16	9.27	-4.23	-13.00	-50.13

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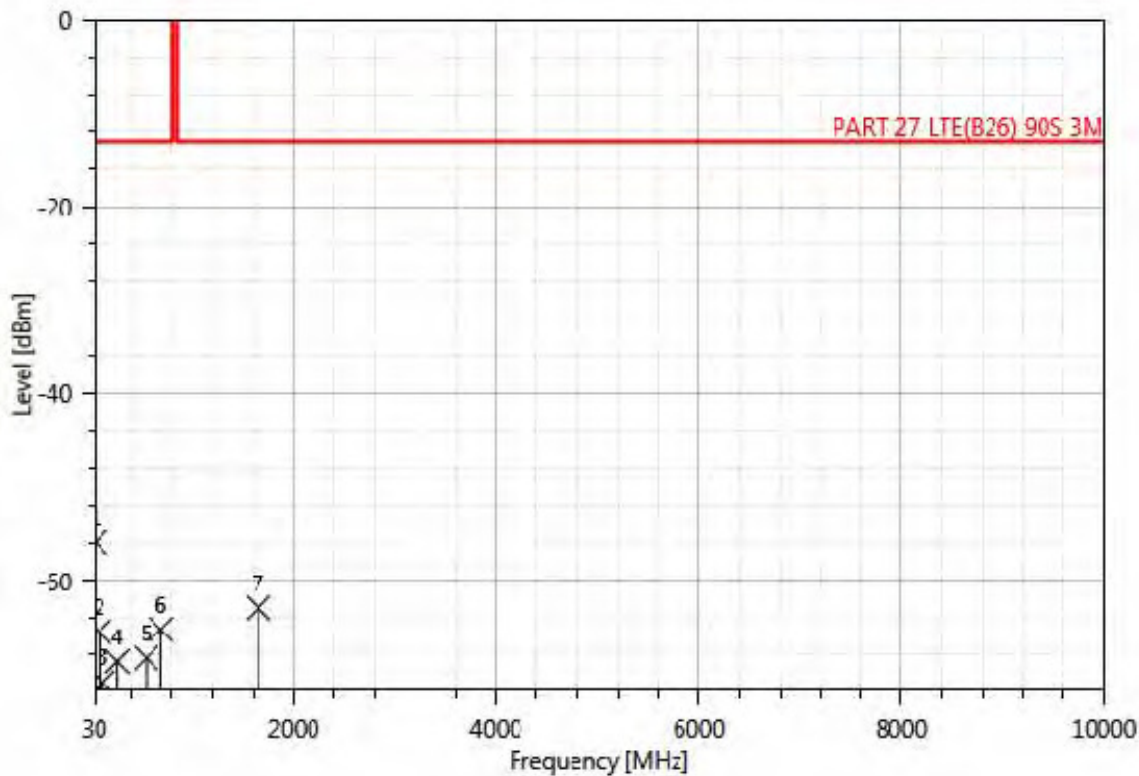
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	825.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-55.99	-41.89	-13.11	-0.99	-13.00	-42.99
78.50	S	Peak	-65.51	-61.07	-3.29	-1.15	-13.00	-52.51
115.36	S	Peak	-70.95	-67.18	-2.46	-1.31	-13.00	-57.95
259.89	S	Peak	-68.67	-70.57	3.68	-1.77	-13.00	-55.67
544.10	S	Peak	-68.32	-69.29	3.62	-2.64	-13.00	-55.32
689.60	S	Peak	-65.25	-65.55	3.09	-2.79	-13.00	-52.25
1651.00	H	Peak	-62.96	-67.99	9.27	-4.23	-13.00	-49.96

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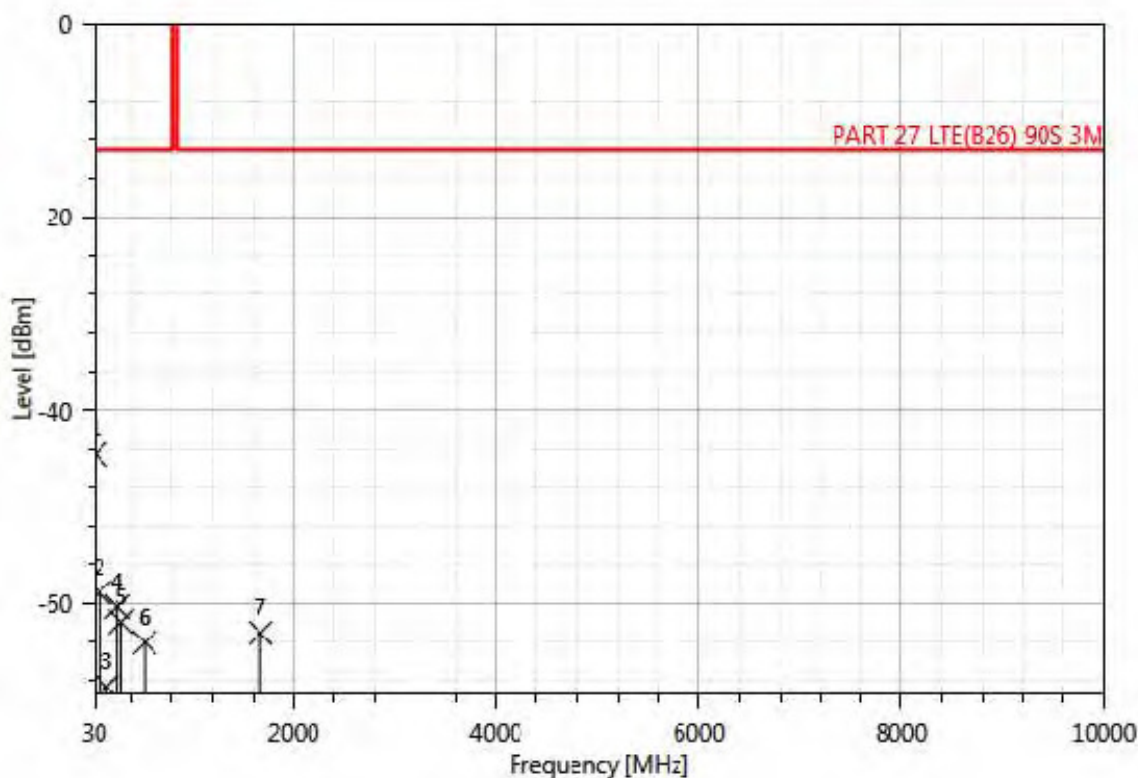
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 836.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-44.55	-30.45	-13.11	-0.99	-13.00	-31.55
80.44	S	Peak	-58.90	-54.99	-2.75	-1.16	-13.00	-45.90
154.16	S	Peak	-68.63	-65.28	-1.90	-1.45	-13.00	-55.63
259.89	S	Peak	-60.37	-62.28	3.68	-1.77	-13.00	-47.37
296.75	S	Peak	-61.93	-63.54	3.56	-1.95	-13.00	-48.93
527.61	S	Peak	-64.07	-65.30	3.71	-2.47	-13.00	-51.07
1673.00	H	Peak	-63.08	-68.14	9.35	-4.29	-13.00	-50.08

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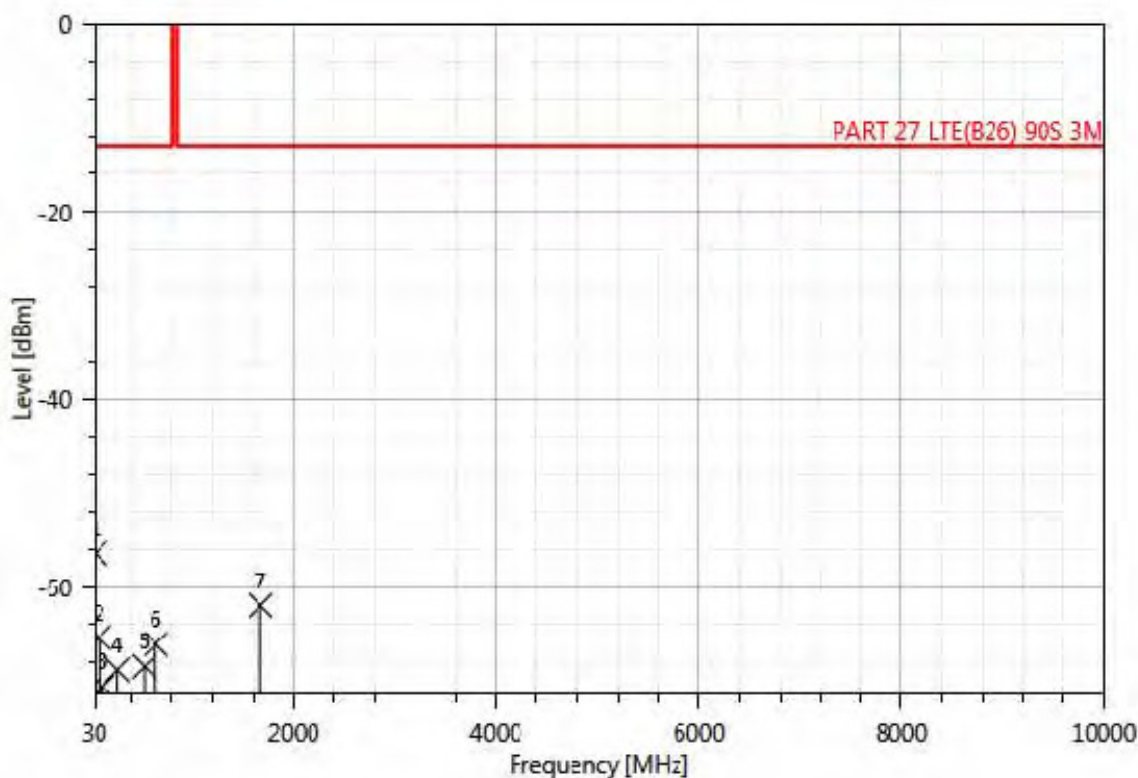
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 836.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-56.43	-42.32	-13.11	-0.99	-13.00	-43.43
76.56	S	Peak	-65.40	-60.39	-3.87	-1.14	-13.00	-52.40
115.36	S	Peak	-70.60	-66.83	-2.46	-1.31	-13.00	-57.60
259.89	S	Peak	-68.80	-70.71	3.68	-1.77	-13.00	-55.80
524.70	S	Peak	-68.46	-69.74	3.72	-2.44	-13.00	-55.46
638.19	S	Peak	-66.08	-66.80	3.16	-2.44	-13.00	-53.08
1673.00	H	Peak	-61.98	-67.04	9.35	-4.29	-13.00	-48.98

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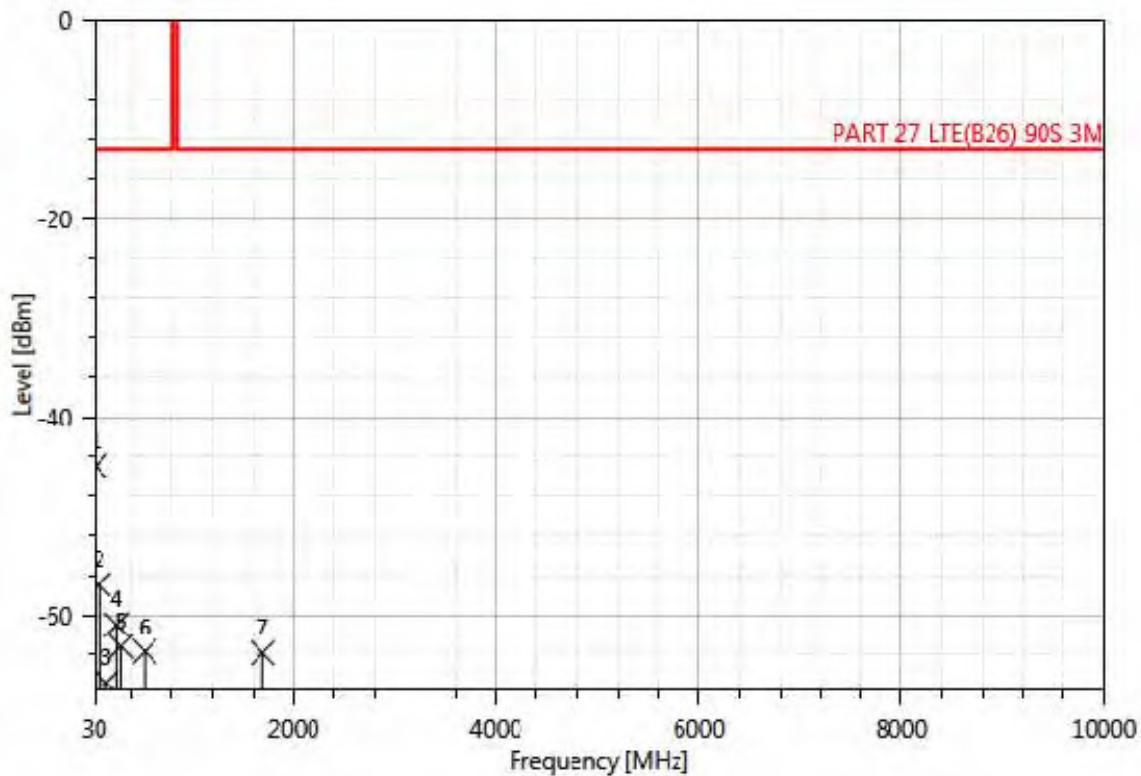
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	847.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-44.92	-30.82	-13.11	-0.99	-13.00	-31.92
76.56	S	Peak	-56.92	-51.91	-3.87	-1.14	-13.00	-43.92
151.25	S	Peak	-66.79	-63.31	-2.04	-1.44	-13.00	-53.79
255.04	S	Peak	-60.96	-62.76	3.56	-1.76	-13.00	-47.96
296.75	S	Peak	-63.15	-64.76	3.56	-1.95	-13.00	-50.15
527.61	S	Peak	-63.67	-64.91	3.71	-2.47	-13.00	-50.67
1695.00	H	Peak	-63.81	-68.93	9.42	-4.30	-13.00	-50.81

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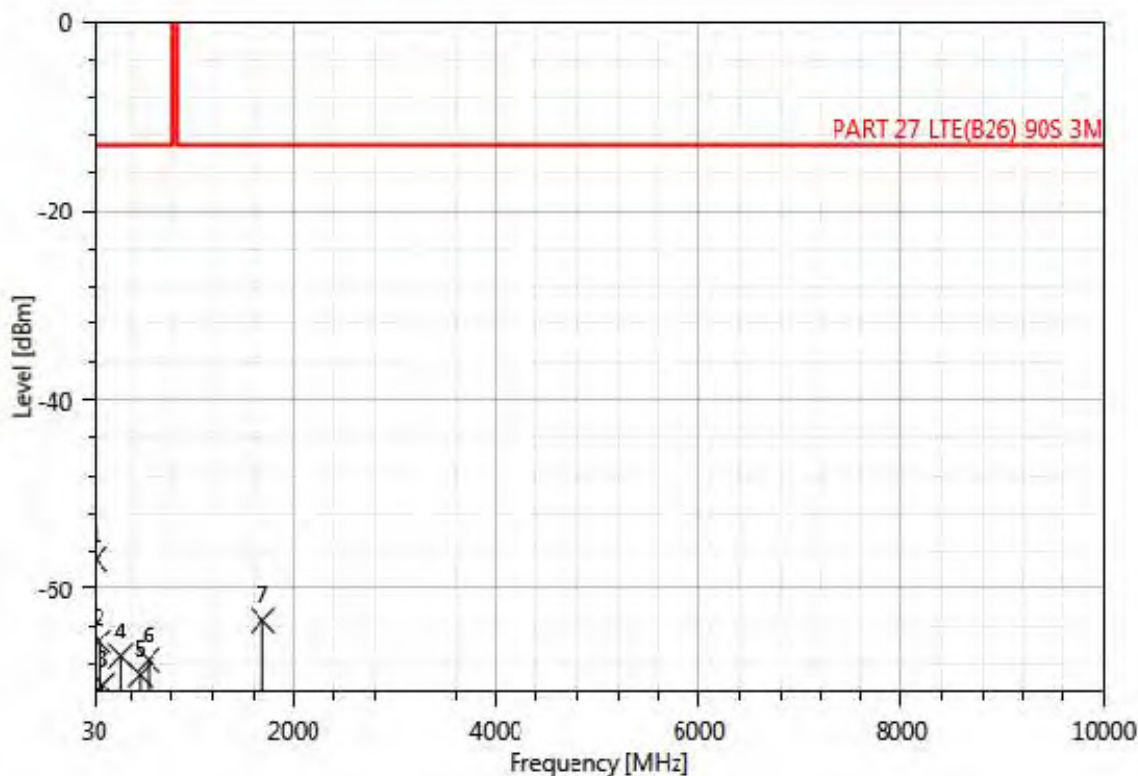
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 847.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-56.84	-42.74	-13.11	-0.99	-13.00	-43.84
75.59	S	Peak	-65.57	-60.27	-4.16	-1.14	-13.00	-52.57
117.30	S	Peak	-70.12	-66.35	-2.45	-1.31	-13.00	-57.12
293.84	S	Peak	-67.12	-68.68	3.50	-1.94	-13.00	-54.12
481.05	S	Peak	-69.04	-70.58	3.78	-2.24	-13.00	-56.04
563.50	S	Peak	-67.55	-68.28	3.49	-2.76	-13.00	-54.55
1695.00	H	Peak	-63.29	-68.41	9.42	-4.30	-13.00	-50.29

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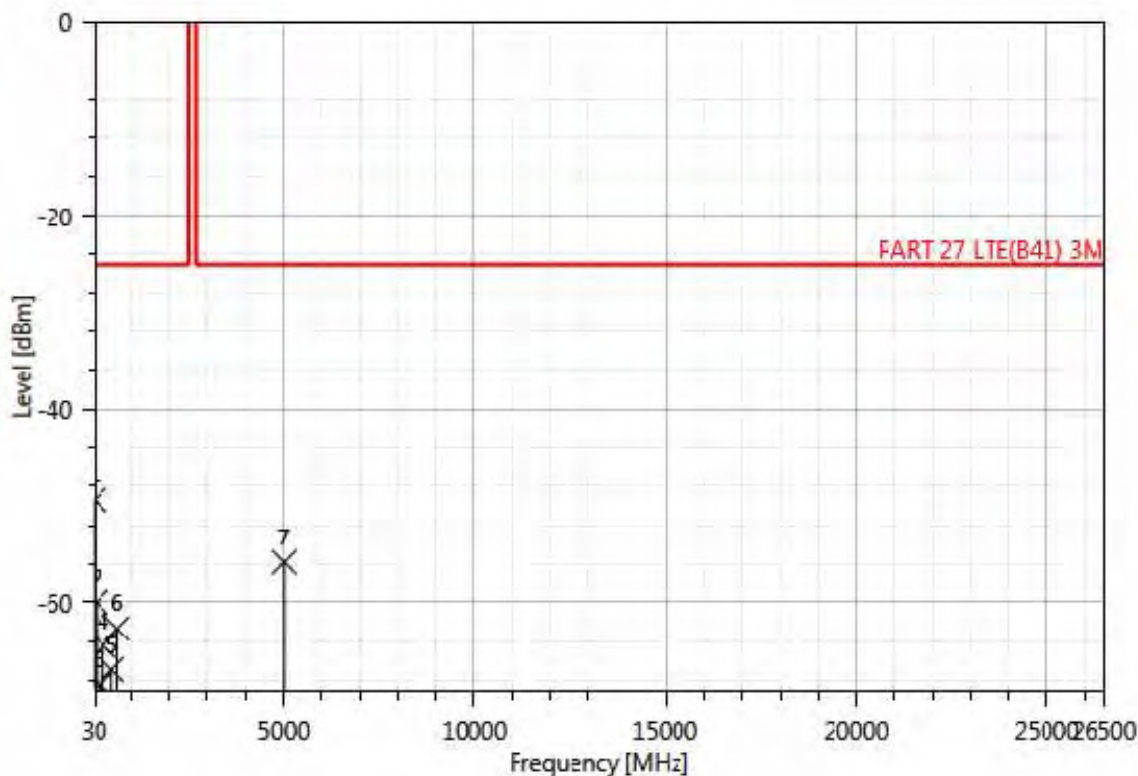
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Radiated Spurious Emission Measurement Result: LTE-Band 41 (The Worst Case)

Operation Mode :	LTE B41	Test Date :	12/23/2016
Fundamental Frequency :	2506.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
36.79	S	Peak	-49.43	-37.17	-11.28	-0.98	-25.00	-24.43
81.41	S	Peak	-60.03	-58.51	-0.35	-1.17	-25.00	-35.03
173.56	S	Peak	-68.49	-68.85	1.89	-1.53	-25.00	-43.49
268.62	S	Peak	-64.44	-68.30	5.68	-1.82	-25.00	-39.44
487.84	S	Peak	-66.91	-70.61	5.96	-2.26	-25.00	-41.91
632.37	S	Peak	-62.71	-65.57	5.32	-2.46	-25.00	-37.71
5012.00	H	Peak	-55.80	-60.70	12.71	-7.81	-25.00	-30.80

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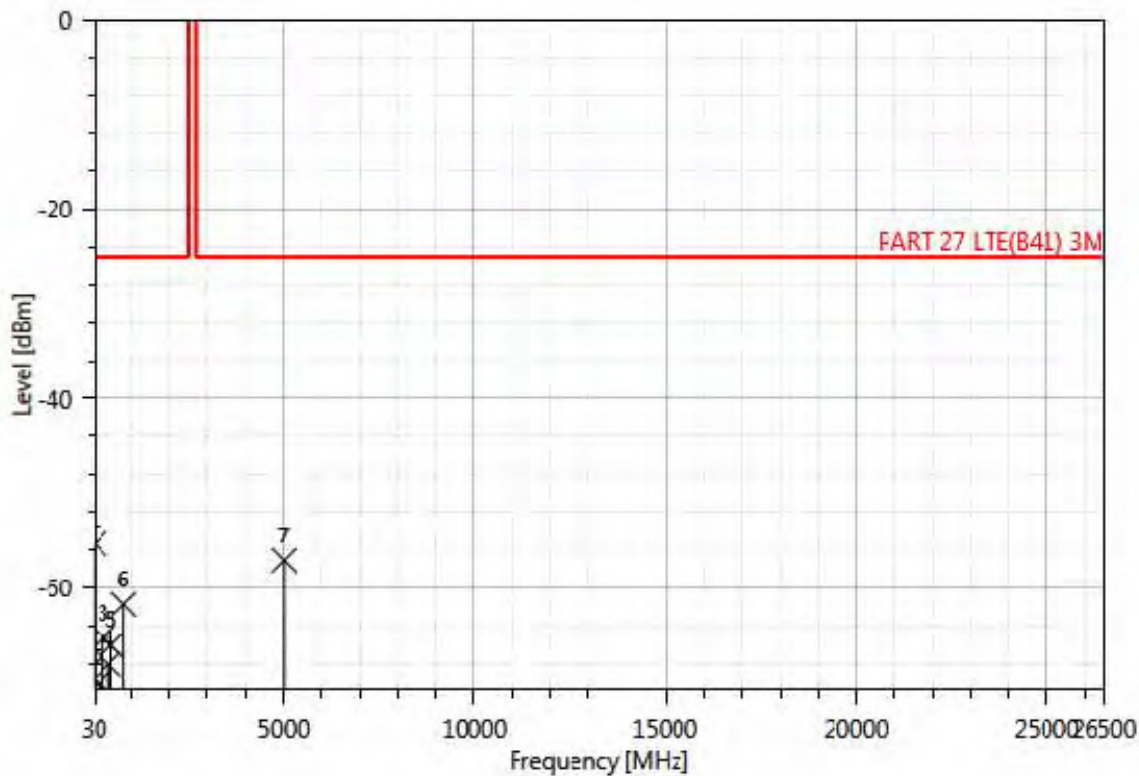
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Operation Mode :	LTE B41	Test Date :	12/23/2016
Fundamental Frequency :	2506.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-55.37	-43.69	-10.68	-1.00	-25.00	-30.37
153.19	S	Peak	-70.01	-68.77	0.20	-1.44	-25.00	-45.01
259.89	S	Peak	-65.27	-69.32	5.83	-1.77	-25.00	-40.27
408.30	S	Peak	-68.06	-71.59	5.94	-2.41	-25.00	-43.06
474.26	S	Peak	-66.06	-69.74	5.90	-2.23	-25.00	-41.06
796.30	S	Peak	-61.75	-64.33	5.48	-2.90	-25.00	-36.75
5012.00	H	Peak	-57.11	-62.00	12.71	-7.81	-25.00	-32.11

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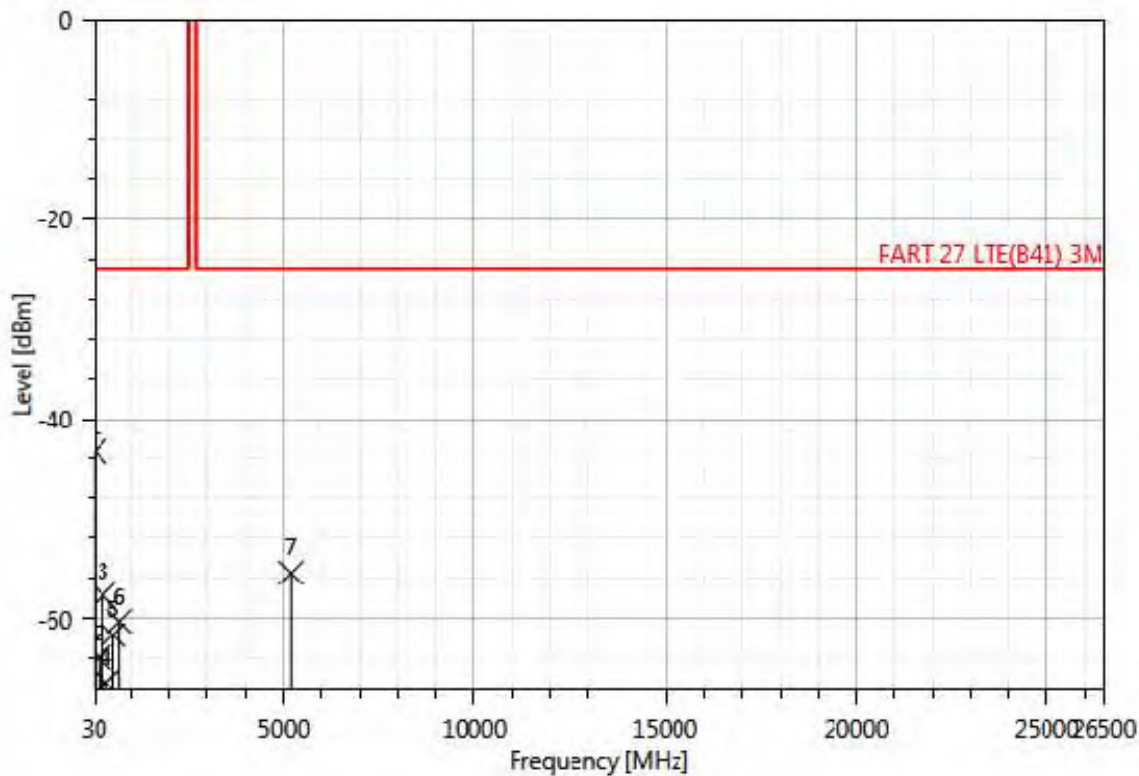
t (886-2) 2299-3279

f (886-2) 2298-0488

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Operation Mode : LTE B41 Test Date : 12/23/2016
Fundamental Frequency : 2593.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-43.26	-31.57	-10.68	-1.00	-25.00	-18.26
153.19	S	Peak	-63.92	-62.67	0.20	-1.44	-25.00	-38.92
259.89	S	Peak	-57.70	-61.75	5.83	-1.77	-25.00	-32.70
347.19	S	Peak	-66.45	-70.43	6.00	-2.02	-25.00	-41.45
527.61	S	Peak	-61.69	-65.07	5.86	-2.47	-25.00	-36.69
692.51	S	Peak	-60.32	-62.71	5.24	-2.84	-25.00	-35.32
5186.00	H	Peak	-55.46	-60.29	12.78	-7.94	-25.00	-30.46

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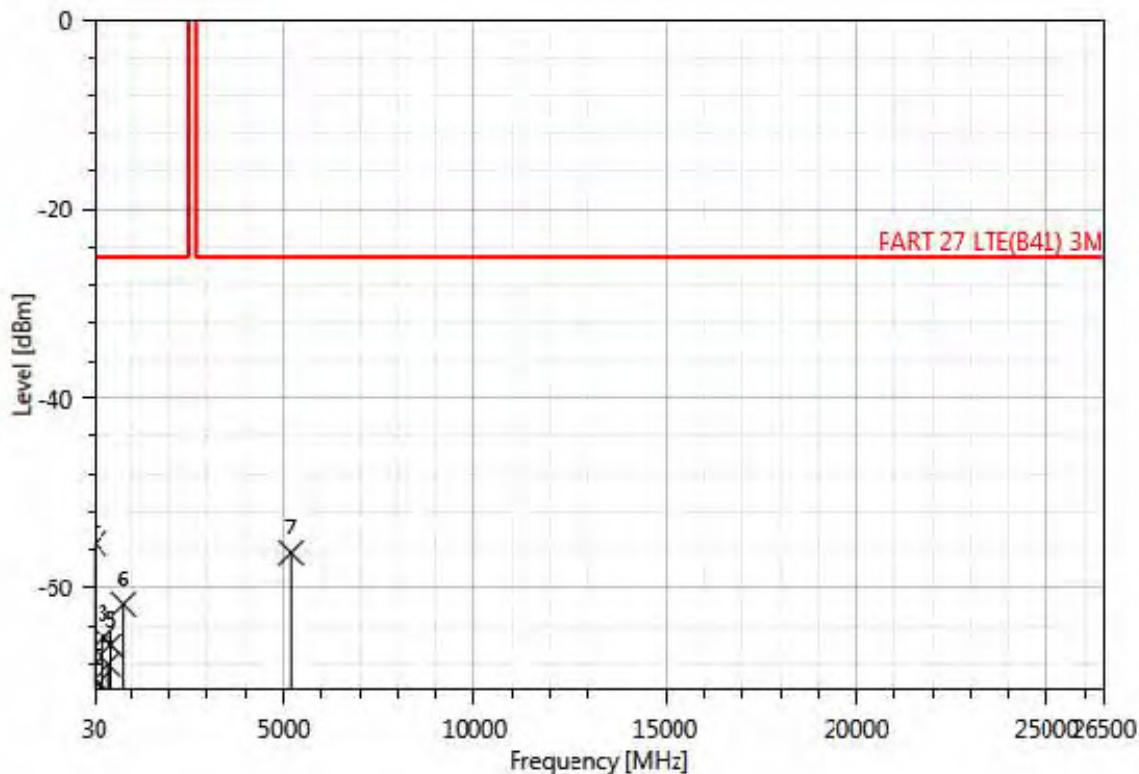
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Operation Mode : LTE B41
Fundamental Frequency : 2593.0 MHz
Operation Band : Tx CH MID
EUT Pol. : E2 Plane

Test Date : 12/23/2016
Temp. / Humi. : 21 deg_C / 62 RH
Test Engineer : Tin
Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
41.64	S	Peak	-55.37	-43.69	-10.68	-1.00	-25.00	-30.37
153.19	S	Peak	-70.01	-68.77	0.20	-1.44	-25.00	-45.01
259.89	S	Peak	-65.27	-69.32	5.83	-1.77	-25.00	-40.27
408.30	S	Peak	-68.06	-71.59	5.94	-2.41	-25.00	-43.06
474.26	S	Peak	-66.06	-69.74	5.90	-2.23	-25.00	-41.06
796.30	S	Peak	-61.75	-64.33	5.48	-2.90	-25.00	-36.75
5186.00	H	Peak	-56.32	-61.16	12.78	-7.94	-25.00	-31.32

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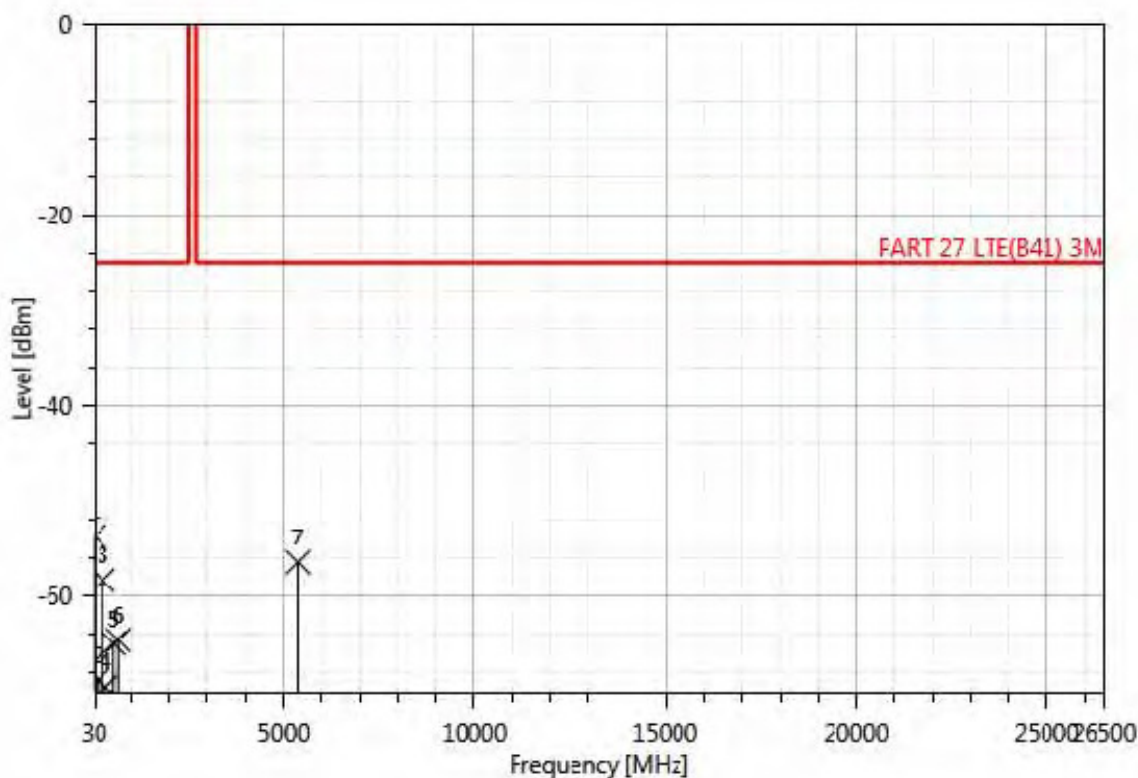
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Operation Mode : LTE B41 Test Date : 12/23/2016
Fundamental Frequency : 2680.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
34.85	S	Peak	-53.78	-41.29	-11.52	-0.97	-25.00	-28.78
117.30	S	Peak	-68.88	-67.26	-0.30	-1.31	-25.00	-43.88
253.10	S	Peak	-58.38	-62.29	5.66	-1.76	-25.00	-33.38
334.58	S	Peak	-69.54	-73.56	5.94	-1.92	-25.00	-44.54
540.22	S	Peak	-64.99	-68.18	5.79	-2.60	-25.00	-39.99
670.20	S	Peak	-64.67	-67.50	5.27	-2.44	-25.00	-39.67
5360.00	H	Peak	-56.48	-61.28	12.85	-8.05	-25.00	-31.48

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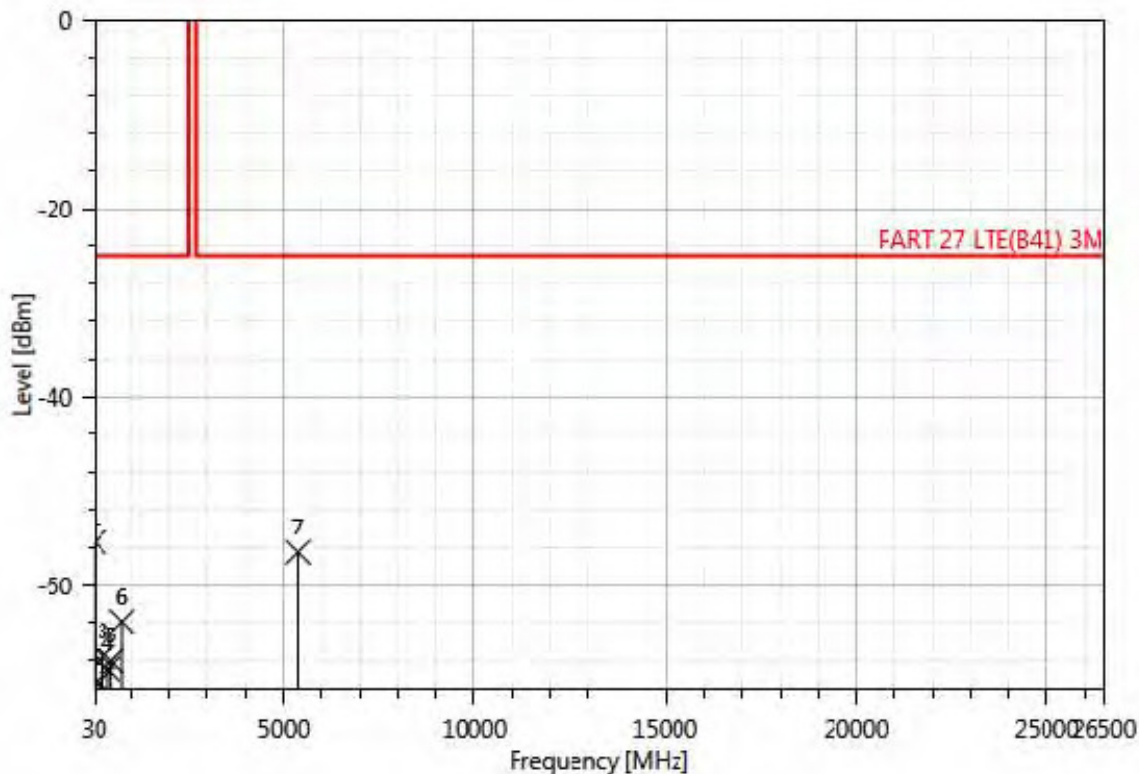
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Operation Mode : LTE B41 Test Date : 12/23/2016
Fundamental Frequency : 2680.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	EIRP Level dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm	Margin dB
39.70	S	Peak	-55.46	-43.51	-10.96	-0.99	-25.00	-30.46
149.31	S	Peak	-70.36	-68.95	0.01	-1.43	-25.00	-45.36
261.83	S	Peak	-67.64	-71.65	5.80	-1.78	-25.00	-42.64
396.66	S	Peak	-68.89	-72.50	5.97	-2.36	-25.00	-43.89
480.08	S	Peak	-68.06	-71.75	5.93	-2.24	-25.00	-43.06
760.41	S	Peak	-63.89	-66.25	5.37	-3.01	-25.00	-38.89
5360.00	H	Peak	-56.53	-61.32	12.85	-8.05	-25.00	-31.53

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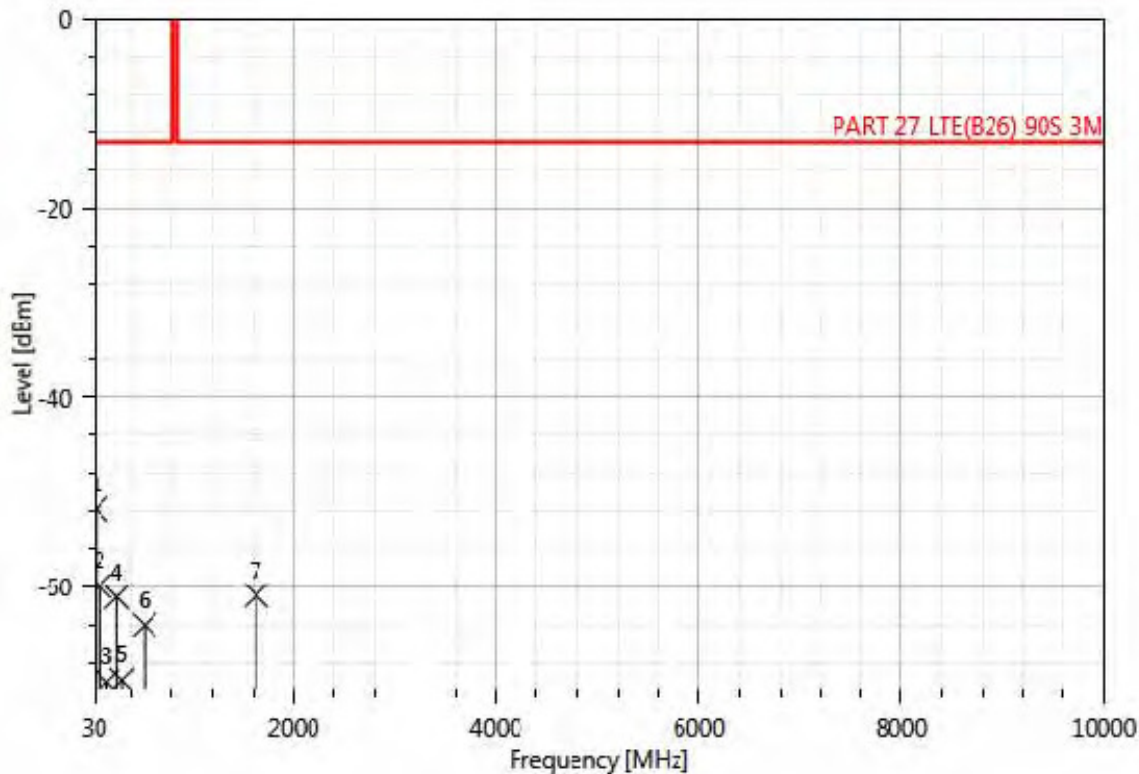
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Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S (The Worst Case)

Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	815.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH LOW	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
43.58	S	Peak	-51.78	-38.22	-12.55	-1.01	-13.00	-38.78
80.44	S	Peak	-59.92	-56.01	-2.75	-1.16	-13.00	-46.92
158.04	S	Peak	-70.04	-66.85	-1.73	-1.47	-13.00	-57.04
255.04	S	Peak	-61.09	-62.89	3.56	-1.76	-13.00	-48.09
305.48	S	Peak	-69.84	-71.55	3.65	-1.94	-13.00	-56.84
526.64	S	Peak	-64.03	-65.28	3.71	-2.46	-13.00	-51.03
1631.00	H	Peak	-60.92	-65.95	9.19	-4.16	-13.00	-47.92

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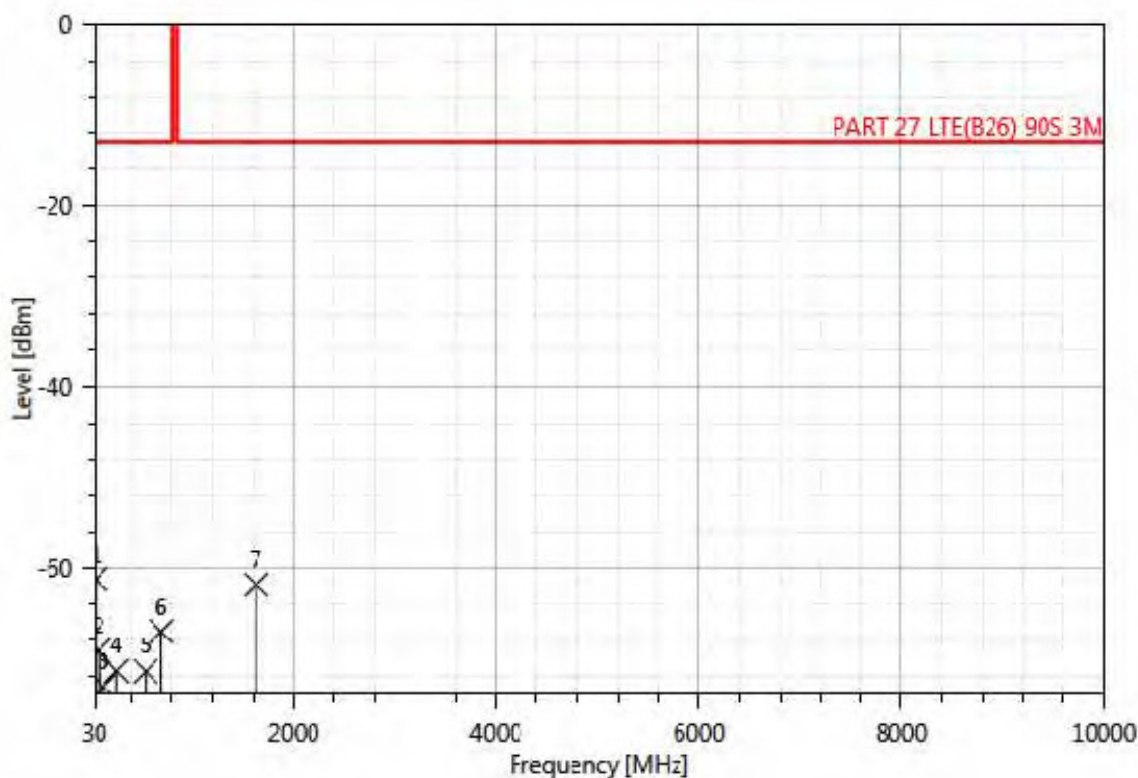
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 815.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
42.61	S	Peak	-61.22	-47.53	-12.69	-1.01	-13.00	-48.22
74.62	S	Peak	-69.14	-63.55	-4.45	-1.13	-13.00	-56.14
123.12	S	Peak	-73.07	-69.24	-2.50	-1.34	-13.00	-60.07
253.10	S	Peak	-71.32	-73.07	3.51	-1.76	-13.00	-58.32
537.31	S	Peak	-71.38	-72.46	3.65	-2.57	-13.00	-58.38
693.48	S	Peak	-66.99	-67.22	3.09	-2.86	-13.00	-53.99
1631.00	H	Peak	-61.86	-66.89	9.19	-4.16	-13.00	-48.86

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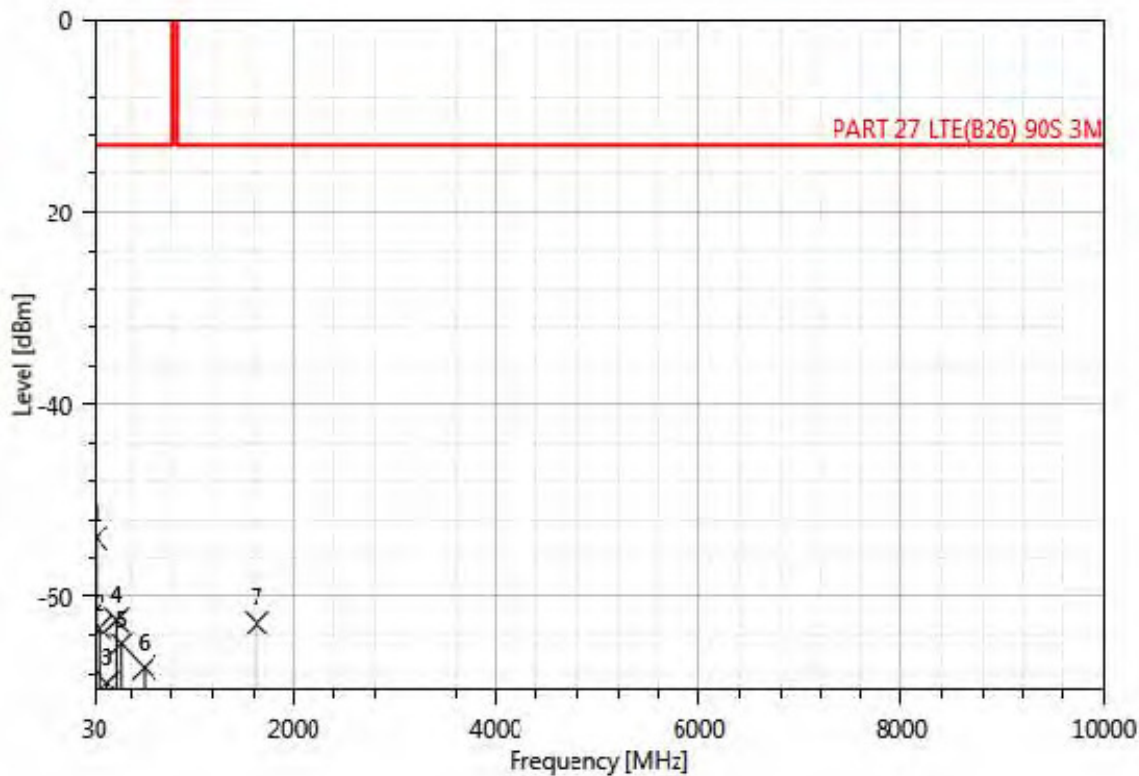
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	819 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
44.55	S	Peak	-53.89	-40.46	-12.42	-1.02	-13.00	-40.89
83.35	S	Peak	-63.24	-60.04	-2.01	-1.18	-13.00	-50.24
160.95	S	Peak	-68.93	-65.88	-1.57	-1.48	-13.00	-55.93
255.04	S	Peak	-62.39	-64.18	3.56	-1.76	-13.00	-49.39
301.60	S	Peak	-64.94	-66.63	3.63	-1.94	-13.00	-51.94
522.76	S	Peak	-67.34	-68.65	3.73	-2.42	-13.00	-54.34
1638.00	H	Peak	-62.74	-67.78	9.22	-4.19	-13.00	-49.74

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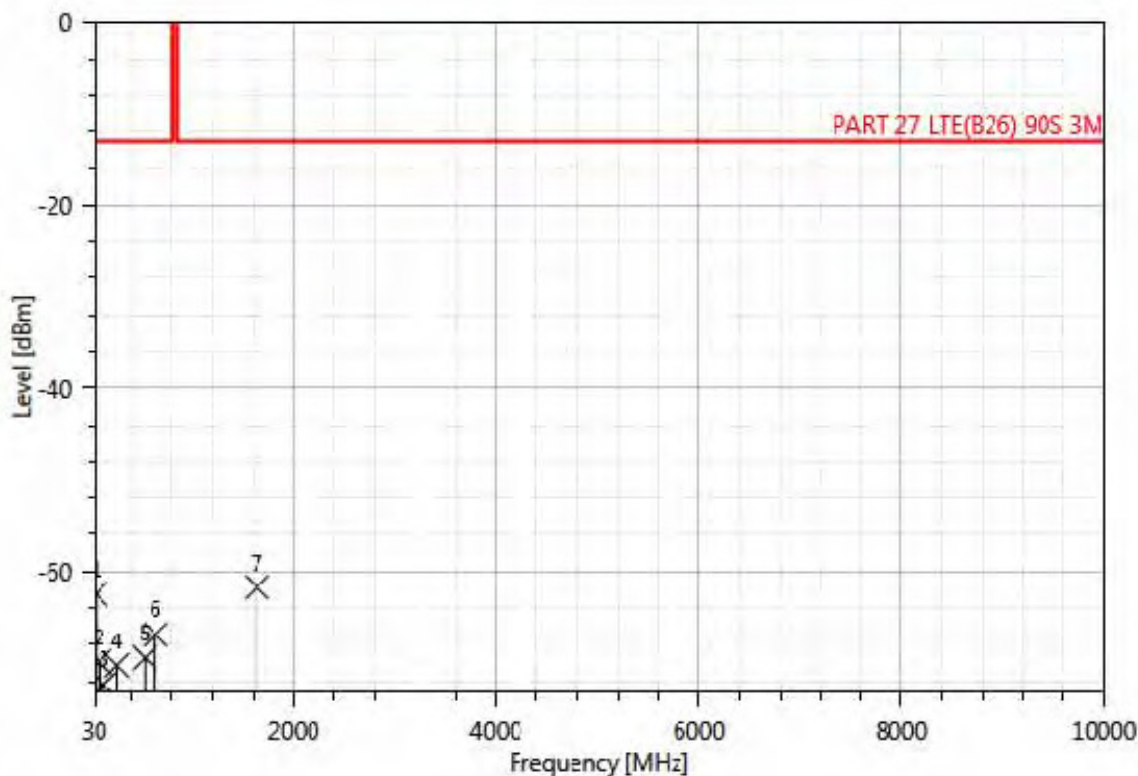
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 819 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
43.58	S	Peak	-62.46	-48.90	-12.55	-1.01	-13.00	-49.46
79.47	S	Peak	-69.85	-65.68	-3.01	-1.16	-13.00	-56.85
124.09	S	Peak	-72.34	-68.48	-2.52	-1.34	-13.00	-59.34
256.01	S	Peak	-70.26	-72.08	3.58	-1.77	-13.00	-57.26
529.55	S	Peak	-69.44	-70.64	3.70	-2.49	-13.00	-56.44
636.25	S	Peak	-66.89	-67.61	3.17	-2.45	-13.00	-53.89
1638.00	H	Peak	-61.72	-66.75	9.22	-4.19	-13.00	-48.72

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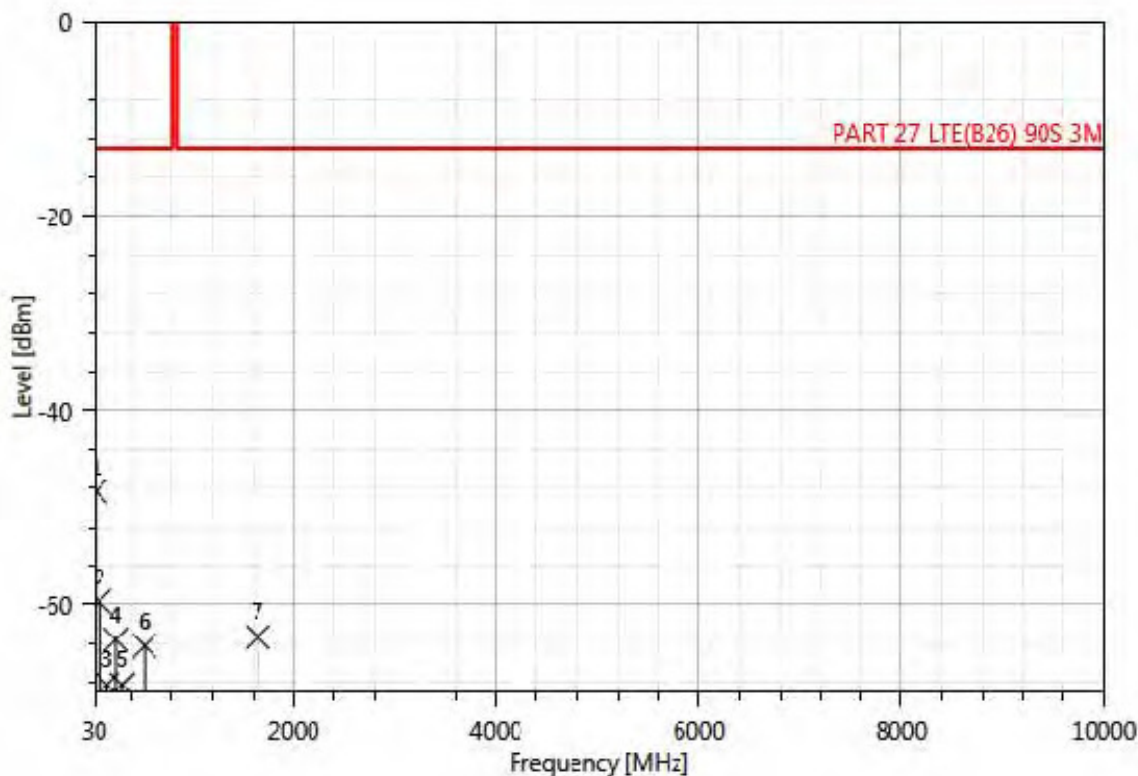
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 822.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. MHz	Note F/H/E/S	Decetor Mode QP/AV/PK	ERP Level dBm	SG Output Level dBm	Antenna Gain dBd	Cable Loss dB	Limit @3m dBm	Margin dB
42.61	S	Peak	-48.36	-34.67	-12.69	-1.01	-13.00	-35.36
80.44	S	Peak	-59.72	-55.81	-2.75	-1.16	-13.00	-46.72
159.01	S	Peak	-68.23	-65.08	-1.68	-1.47	-13.00	-55.23
247.28	S	Peak	-63.61	-65.25	3.40	-1.75	-13.00	-50.61
307.42	S	Peak	-68.24	-69.96	3.66	-1.94	-13.00	-55.24
526.64	S	Peak	-64.27	-65.52	3.71	-2.46	-13.00	-51.27
1645.00	H	Peak	-63.36	-68.39	9.25	-4.21	-13.00	-50.36

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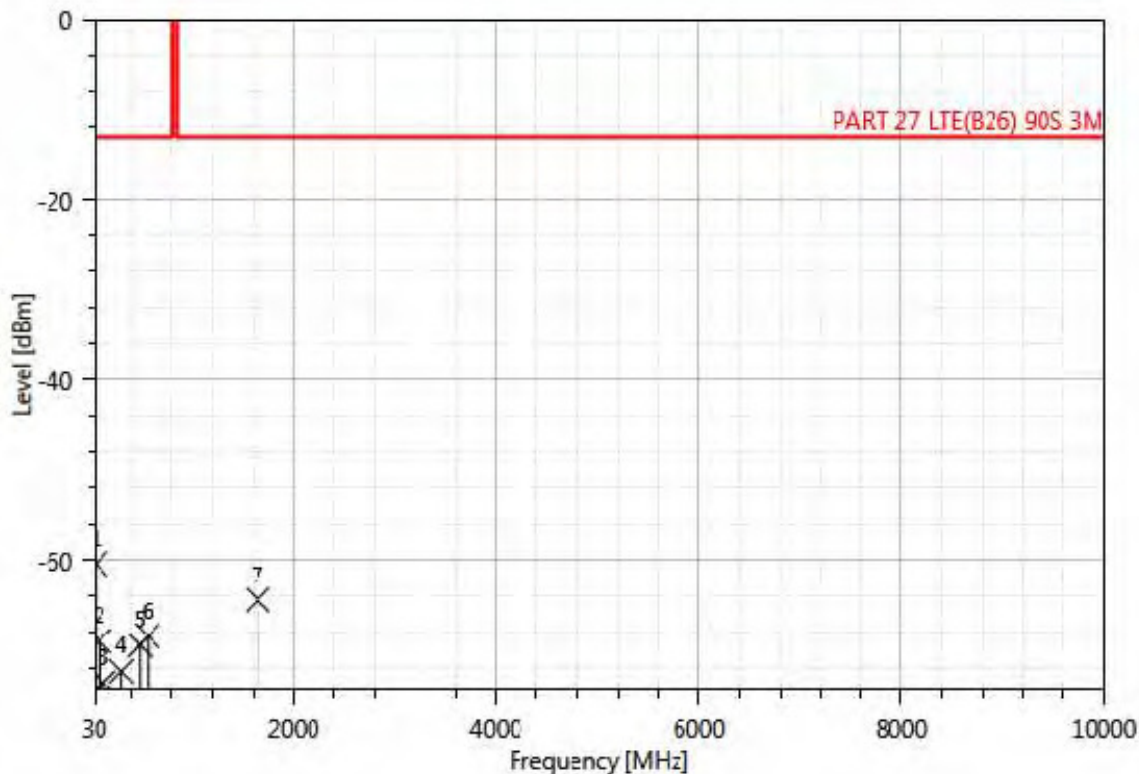
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	822.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	dB
39.70	S	Peak	-56.84	-42.74	-13.11	-0.99	-13.00	-43.84
75.59	S	Peak	-65.57	-60.27	-4.16	-1.14	-13.00	-52.57
117.30	S	Peak	-70.12	-66.35	-2.45	-1.31	-13.00	-57.12
293.84	S	Peak	-67.12	-68.68	3.50	-1.94	-13.00	-54.12
481.05	S	Peak	-69.04	-70.58	3.78	-2.24	-13.00	-56.04
563.50	S	Peak	-67.55	-68.28	3.49	-2.76	-13.00	-54.55
1695.00	H	Peak	-63.29	-68.41	9.42	-4.30	-13.00	-50.29

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11. FREQUENCY STABILITY MEASUREMENT

11.1. Standard Applicable:

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

11.2. Test Set-up:

Note: Measurement setup for testing on Antenna connector

11.3. Measurement Procedure:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Set chamber temperature to 25

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11.4. Measurement Equipment Used:

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Power Meter	Anritsu	ML2495A	1005007	12/15/2016	12/14/2017
Power Sensor	Anritsu	MA2411B	917032	12/15/2016	12/14/2017
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017
Coaxial Cable	HUBER+SUHNER	SUCOFLEX 102	23670/2	01/02/2016	01/01/2017
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/21/2016	11/20/2017
Temperature Chamber	TERCHY	MHG-120LF	911009	05/17/2016	05/16/2017
Radio Communication Analyzer	R&S	CMU200	102189	02/11/2016	02/10/2017
Radio Communication Analyzer	Anritsu	MT8820C	6200995019	09/24/2016	09/23/2017

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11.5. Measurement Result:

FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency		
Vdc	Temperature (Delta (Hz)	Limit (Hz)

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: GPRS 1900 Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA II Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency		
Vdc	Temperature (Delta (Hz)	Limit (Hz)

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B2 Mid Channel	1880.0	MHz	20M QPSK CH 18900
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B4 Mid Channel	1732.5	MHz	20M QPSK CH 20175
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B5 Mid Channel	836.5	MHz	10M QPSK CH 20525
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B7 Mid Channel	2535.0	MHz	10M QPSK CH 21100
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B12 Mid Channel	707.5	MHz	10M QPSK CH 23095
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B17 Mid Channel	710.0	MHz	10M QPSK CH 23790
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B26 Mid Channel	836.5	MHz	15M QPSK CH 26915
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE

Reference Frequency:		LTE B41 Mid Channel	2605.0	MHz	10M QPSK CH 40740
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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FREQUENCY ERROR vs. VOLTAGE (LTE B26 for Part 90S)

Reference Frequency:		LTE B26 Mid Channel	819.0	MHz	1.4M QPSK CH 26740
Limit: +/- 2.5 ppm					
Power Supply	Environment	Frequency	Delta (Hz)		Limit (Hz)
Vdc	Temperature (

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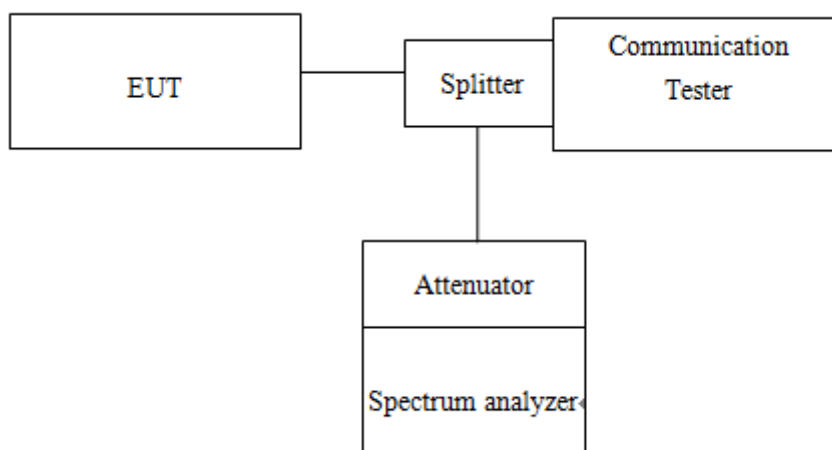
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12. PEAK TO AVERAGE RATIO

12.1. Standard Applicable

The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

12.2. Test SET-UP



12.3. Measurement Procedure

1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
2. Set resolution/measurement bandwidth \geq signal's occupied bandwidth; & internal = 1ms
3. Set the number of counts to a value that stabilizes the measured CCDF curve.

12.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	Agilent	N9030A	MY53120760	02/26/2016	02/25/2017
DC Block	Mini-Circuits	BLK-18-S+	1	01/02/2016	01/01/2017
Coaxial Cable	HUBER+SUHNER	SUCOFLEX 102	23670/2	01/02/2016	01/01/2017
Attenuator	Mini-Circuit	BW-S10W2+	2	01/02/2016	01/01/2017
Splitter	Agilent	11636B	N/A	01/02/2016	01/01/2017
DC Power Supply	Agilent	E3640A	MY52410006	11/21/2016	11/20/2017

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12.5. Measurement Result

Tabular Results:

Freq. (MHz)	CH	Peak-to-Average Ratio		
		GSM 1900	GPRS 1900	EDGE 1900
1850.2	9296	9.11	9.05	11.71
1880.0	9400	9.82	9.02	11.04
1909.8	9538	10.54	11.22	11.7

Freq. (MHz)	CH	Peak-to-Average		
		WCDMA II	HSDPA II	HSUPA II
1850.2	9262	3.09	3.37	3.50
1880.0	9400	3.39	3.47	3.79
1909.8	9538	3.17	3.80	4.06

Freq. (MHz)	CH	Peak-to-Average		
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	3.39	4.09	3.54
1732.6	1413	3.26	4.05	3.23
1752.6	1513	3.41	3.42	3.34

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LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1850.7	18607	5.7163	13	1851.5	18615	5.67	13
1880.0	18900	5.7671	13	1880.0	18900	5.98	13
1909.3	19193	5.58	13	1908.5	19185	5.84	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1852.5	18625	5.5722	13	1855.0	18650	5.7	13
1880.0	18900	5.77	13	1880.0	18900	5.9	13
1907.5	19175	5.6911	13	1905.0	19150	5.78	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1857.5	18675	6.08	13	1860.0	18700	6.6583	13
1880.0	18900	6.2667	13	1880.0	18900	6.6917	13
1902.5	19125	6.2067	13	1900.0	19100	6.7	13

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1710.7	19957	5.7433	13	1711.5	19965	5.784	13
1732.5	20175	5.6033	13	1732.5	20175	5.748	13
1754.3	20393	5.595	13	1753.5	20385	5.85	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1712.5	19957	5.696	13	1715.0	20000	5.78	13
1732.5	20175	5.622	13	1732.5	20175	5.7975	13
1752.5	20375	5.6429	13	1750.0	20350	5.7288	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
1717.5	20025	6.0867	13	1720.0	20050	6.6775	13
1732.5	20175	6.14	13	1732.5	20175	6.61	13
1747.5	20325	6.1167	13	1745.0	20300	6.66	13

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LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
824.7	20407	5.635	13	825.5	20415	5.751	13
836.5	20525	5.8617	13	836.5	20525	6.005	13
848.3	20643	5.5043	13	847.5	20635	5.886	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
826.5	20425	5.502	13	829.0	20450	5.6833	13
836.5	20525	5.78	13	836.5	20525	5.8633	13
846.5	20625	5.375	13	844.0	20600	5.6617	13

LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2502.5	20775	5.91	13	2505.0	20800	5.87	13
2535.0	21100	5.84	13	2535.0	21100	5.86	13
2567.5	21425	5.83	13	2565.0	21400	5.79	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
2507.5	20425	6.28	13	2510.0	20850	6.75	13
2535.0	20525	6.26	13	2535.0	21100	6.7	13
2562.5	20625	6.25	13	2560.0	21350	6.72	13

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LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
699.7	23017	5.6471	13	700.5	23025	5.6656	13
707.5	23095	5.706	13	707.5	23095	5.9533	13
715.3	23173	5.322	13	714.5	23165	5.8925	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
701.5	23035	5.4667	13	704.0	23060	5.67	13
707.5	23095	5.6229	13	707.5	23095	5.7388	13
713.5	23155	5.5283	13	711.0	23130	5.6975	13

LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	LIMIT			16QAM	LIMIT
706.5	23755	5.51	13	709.0	23780	5.68	13
710.0	23790	5.6	13	710.0	23790	5.66	13
713.5	23825	5.58	13	711.0	23780	5.73	13

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LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		16QAM	Limit			16QAM	Limit
824.7	26797	5.46	13	825.5	26805	5.5	13
836.5	26915	5.85	13	836.5	26915	5.86	13
848.3	27033	5.38	13	847.5	27025	5.56	13

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		16QAM	Limit			16QAM	Limit
826.5	26815	5.37	13	829.0	26840	5.55	13
836.5	26915	5.73	13	836.5	26915	5.73	13
846.5	27015	5.37	13	844.0	26990	5.55	13

LTE BAND 26							
Channel bandwidth: 15MHz							
Freq. (MHz)	CH	Peak-to-Average Ratio					
		16QAM	Limit				
831.5	26865	6.09	13				
836.5	26915	6.22	13				
841.5	26965	6.05	13				

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LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	Limit			16QAM	Limit
2498.5	39675	8.16	13	2501.0	39700	8.55	13
2593.0	40620	8.91	13	2593.0	40620	9.69	13
2687.5	41565	10.85	13	2685.0	41540	11.23	13

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	Limit			16QAM	Limit
2503.5	39725	10.6	13	2506.0	39750	10.63	13
2593.0	40620	9.89	13	2593.0	40620	10.65	13
2682.5	41515	8.06	13	2680.0	41490	11.4	13

LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		Freq. (MHz)	CH	Peak-to-Average Ratio (dB)	
		16QAM	Limit			16QAM	Limit
814.7	26697	5.39	13	815.5	26705	5.73	13
819	26740	5.89	13	819	26740	5.92	13
823.3	26783	5.64	13	822.5	26775	5.84	13

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-Average Ratio		Freq. (MHz)	CH	Peak-to-Average Ratio	
		16QAM	Limit			16QAM	Limit
816.5	26715	6.01	13	819.0	26740	5.73	13
819	26740	5.75	13				
821.5	26765	5.74	13				

Measurement Results:

Please refer to next page.

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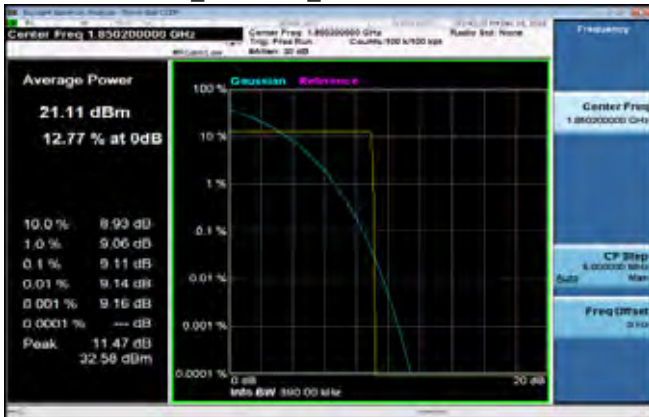
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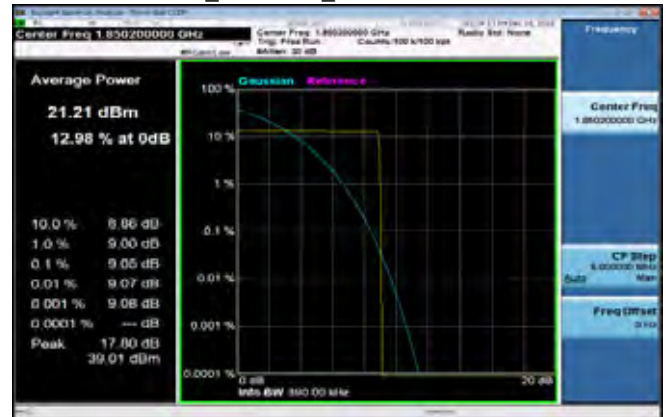
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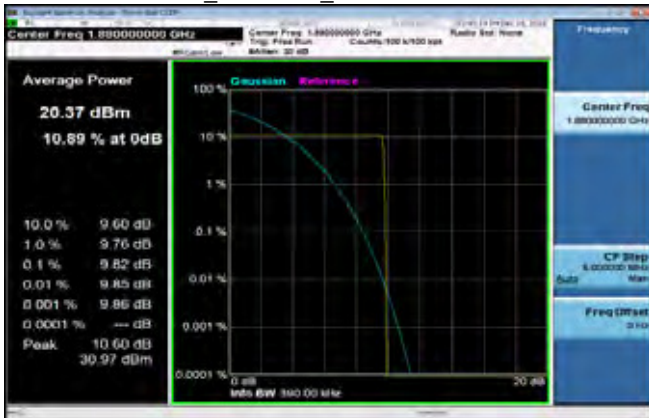
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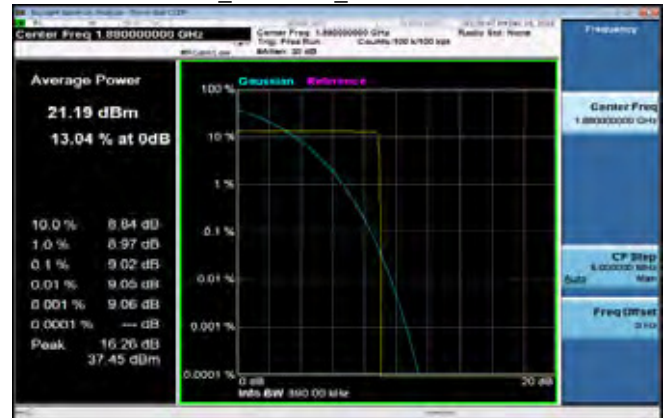
GPRS_1900MHz_LowCH512-1850.2



GSM_1900MHz_MidCH661-1880



GPRS_1900MHz_MidCH661-1880



GSM_1900MHz_HighCH810-1909.8



GPRS_1900MHz_HighCH810-1909.8



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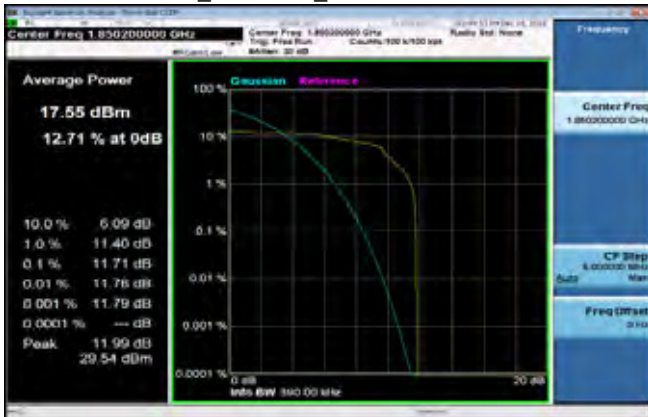
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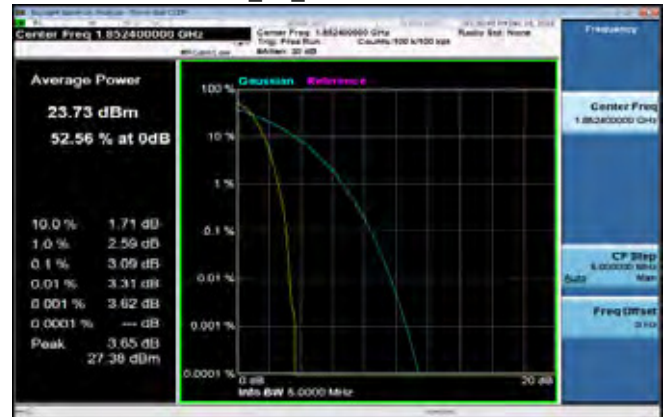
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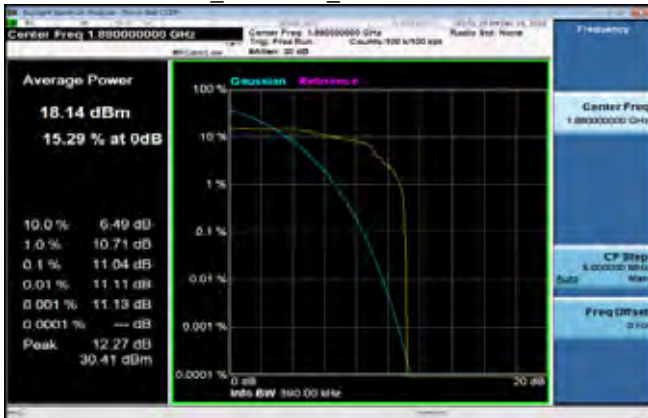
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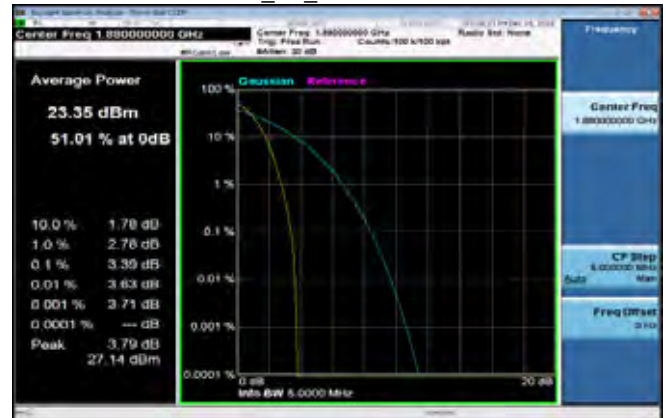
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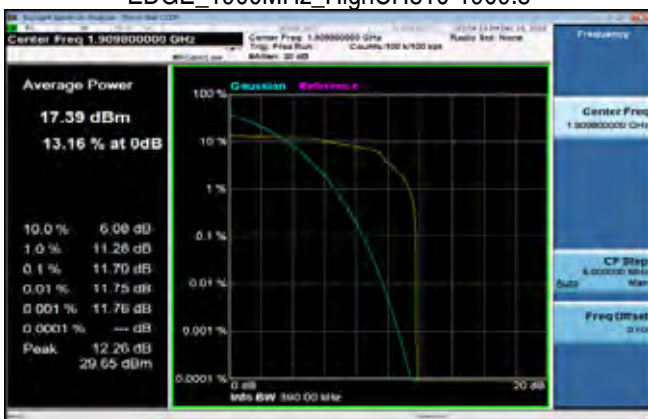
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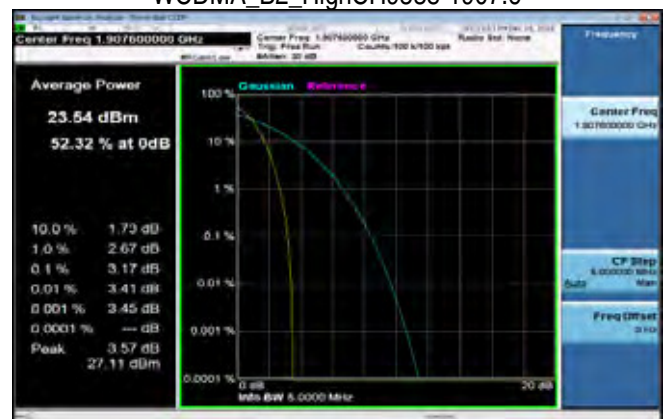
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EDGE_1900MHz_HighCH810-1909.8



WCDMA_B2_HighCH9538-1907.6



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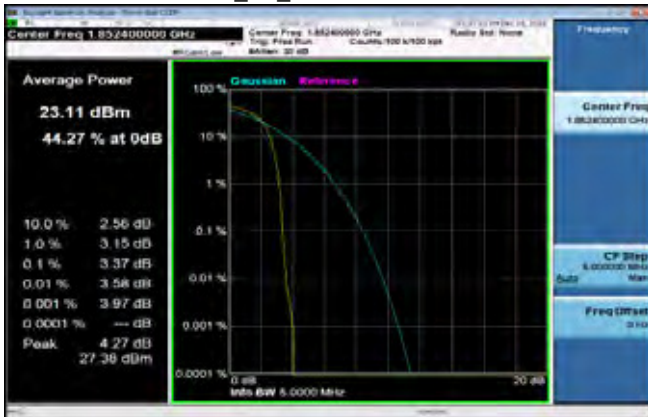
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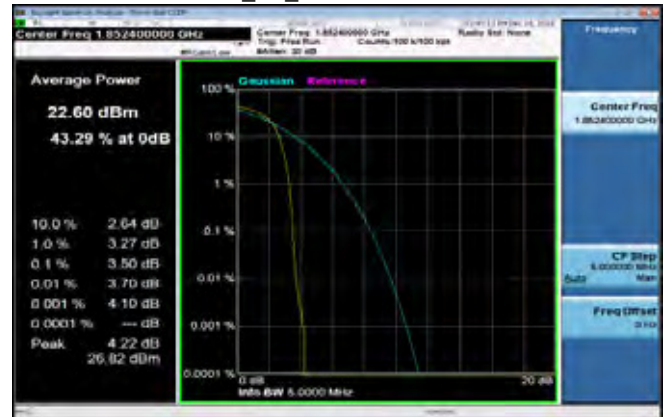
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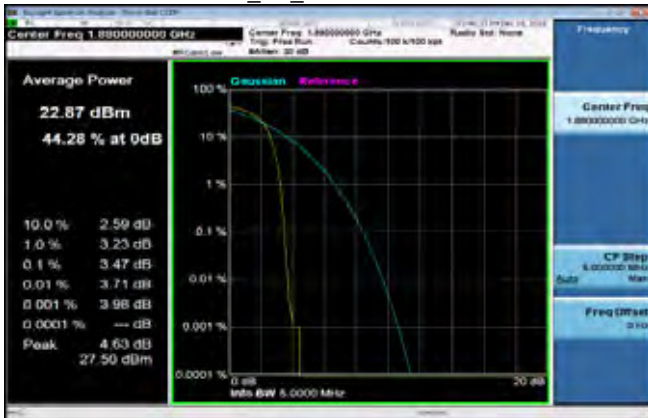
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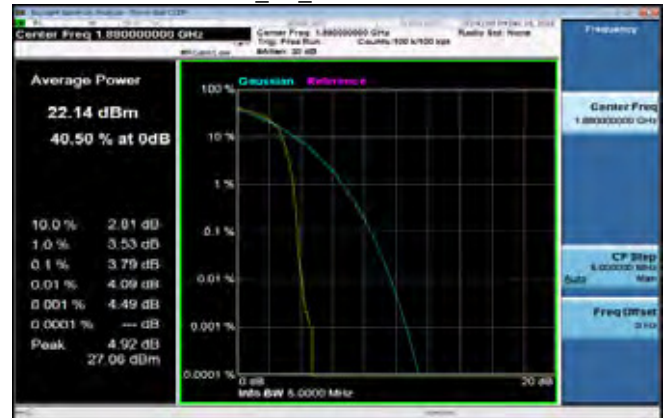
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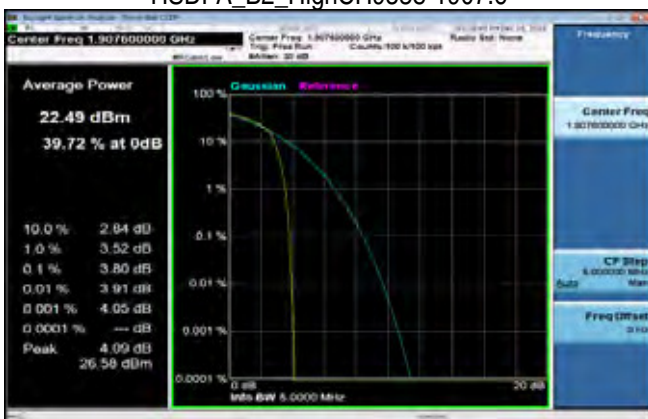
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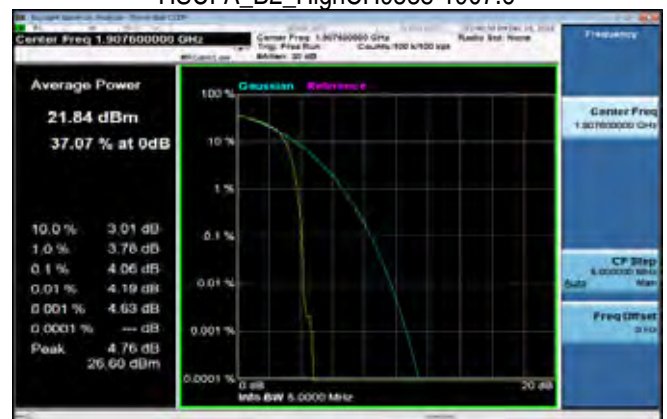
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HSDPA_B2_HighCH9538-1907.6



HSUPA_B2_HighCH9538-1907.6



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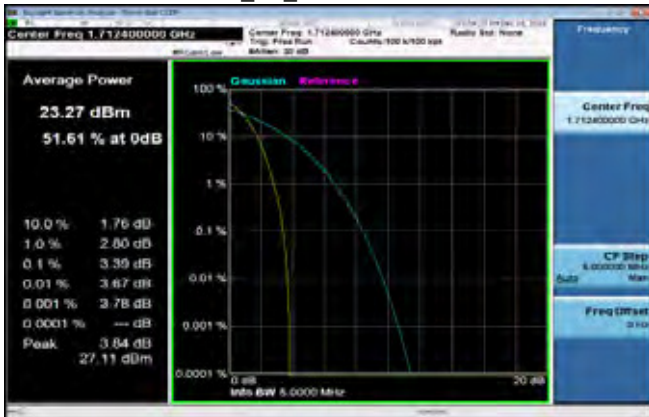
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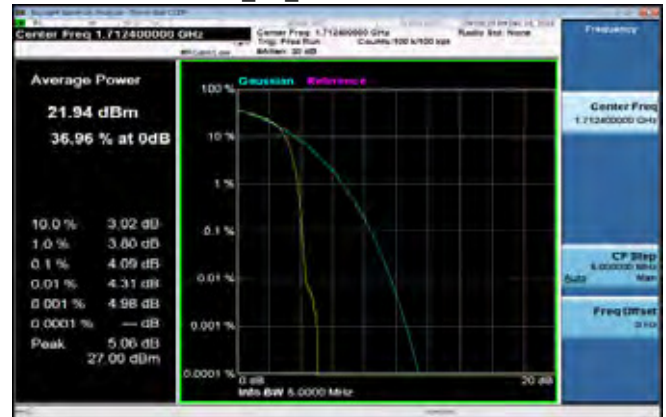
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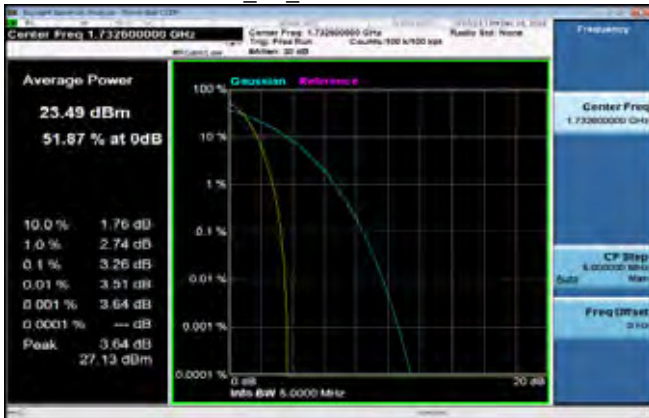
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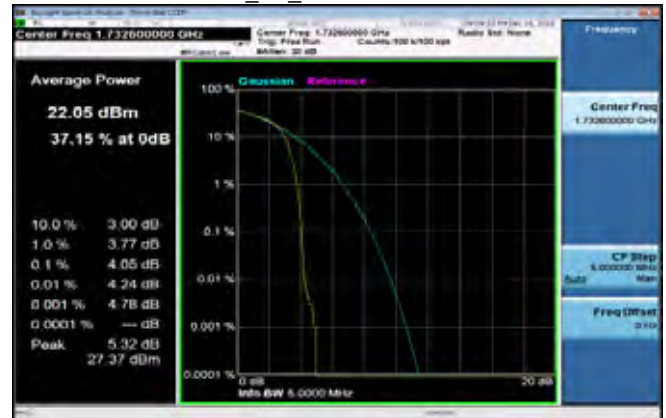
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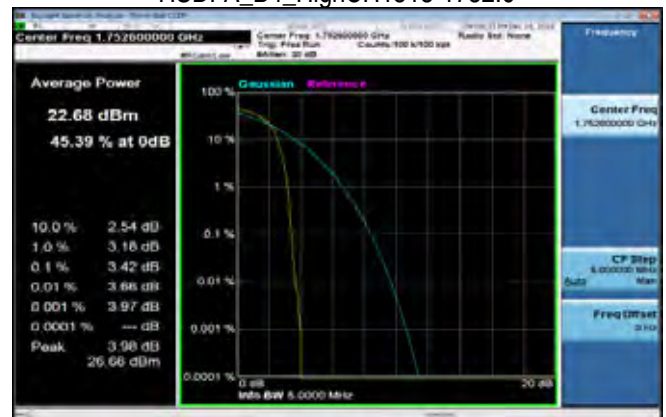
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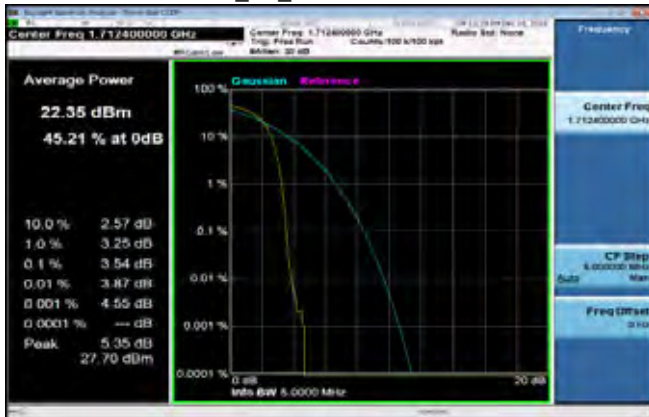
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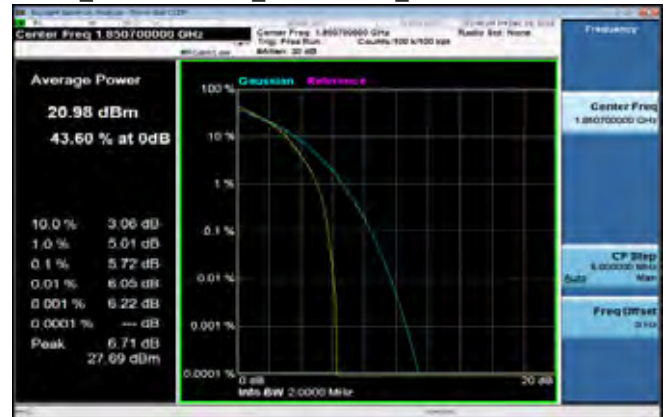
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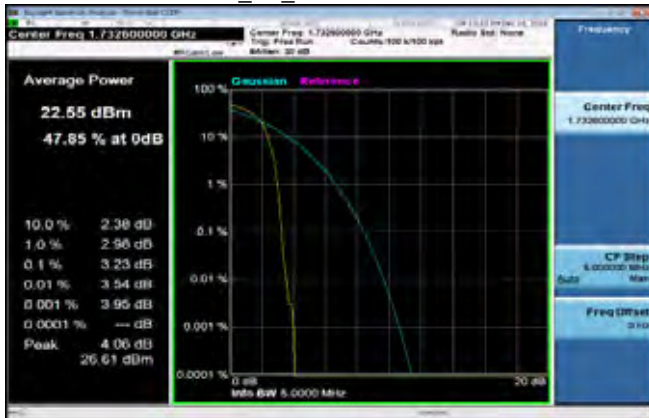
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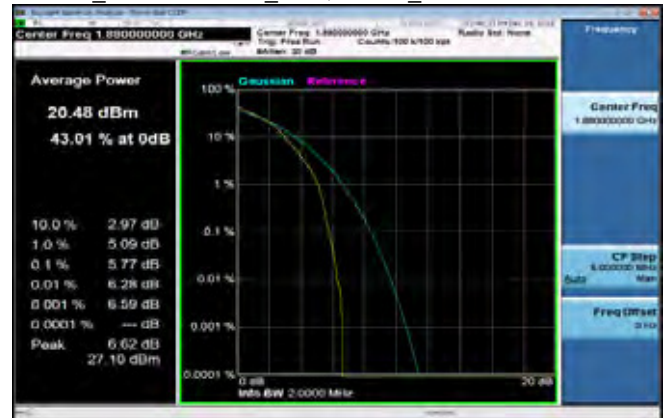
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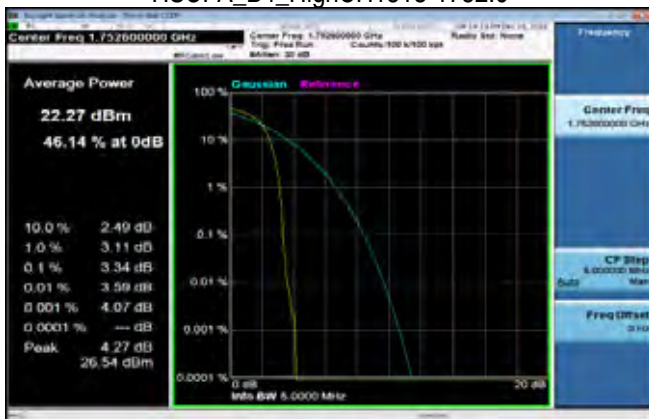
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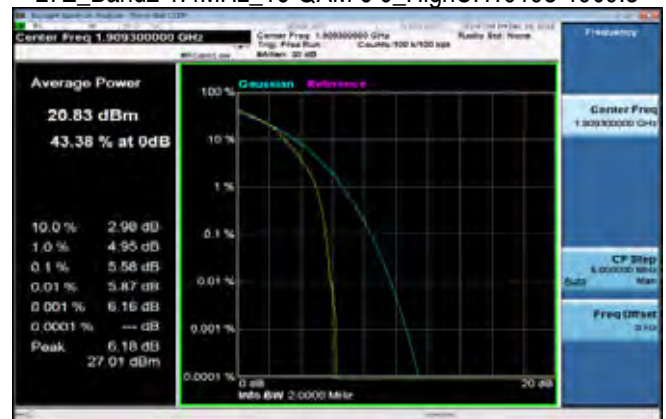
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HSUPA_B4_HighCH1513-1752.6



LTE_Band2 1.4MHz_16-QAM 6 0_HighCH19193-1909.3



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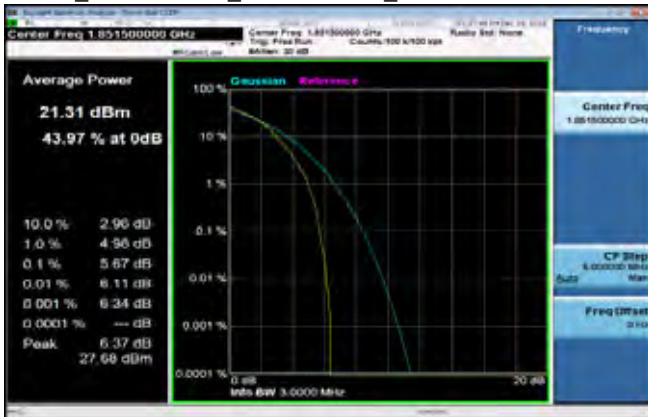
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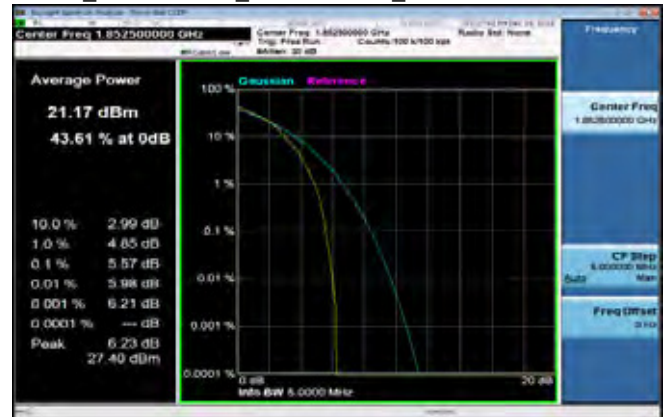
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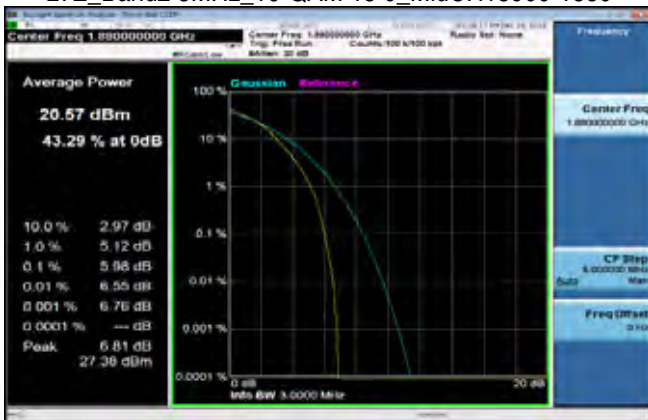
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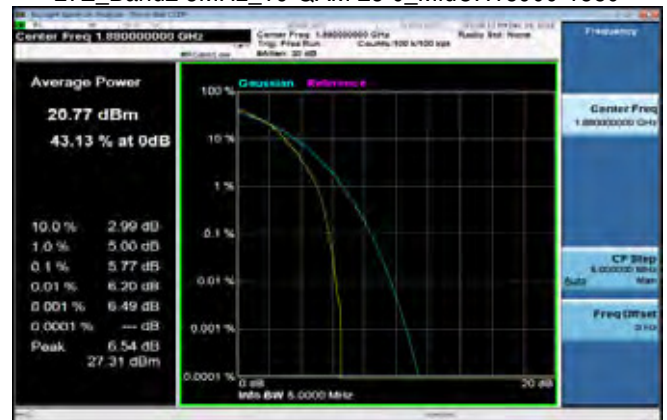
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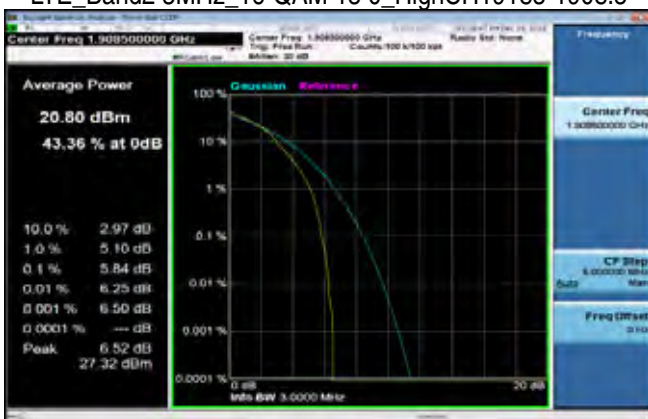
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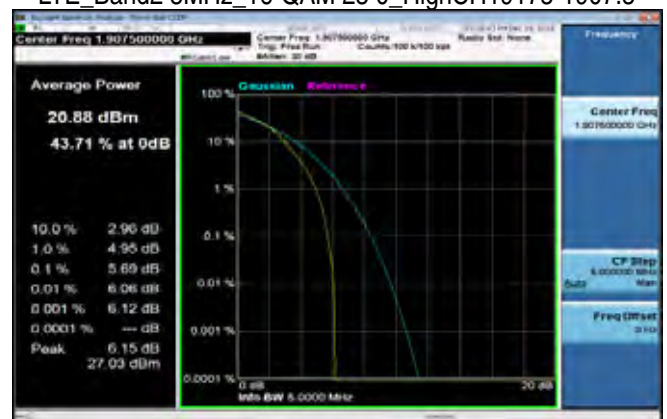
LTE_Band2 5MHz_16-QAM 25 0_MidCH18900-1880



LTE_Band2 3MHz_16-QAM 15 0_HighCH19185-1908.5



LTE_Band2 5MHz_16-QAM 25 0_HighCH19175-1907.5



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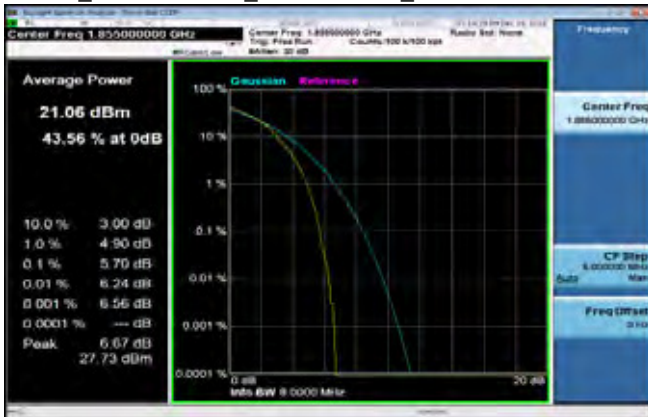
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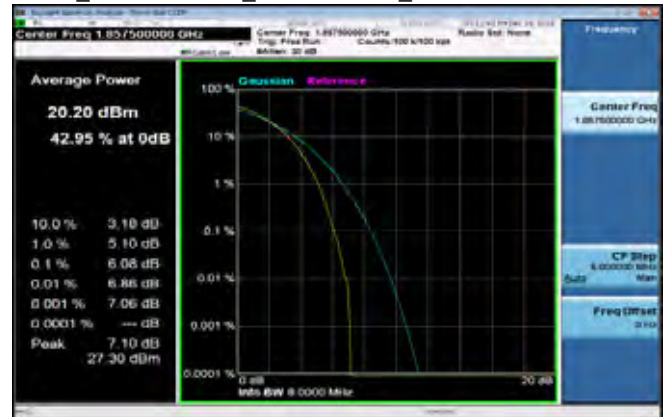
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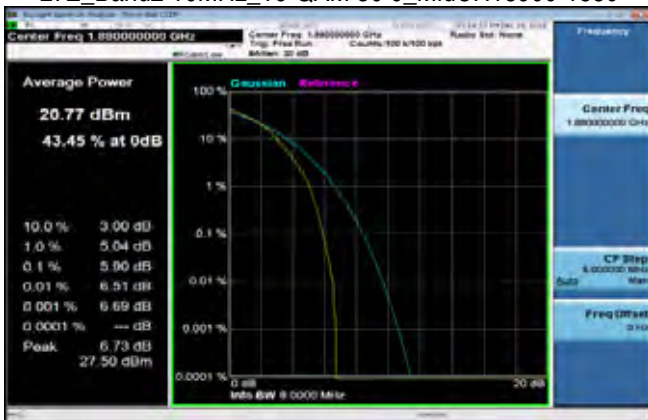
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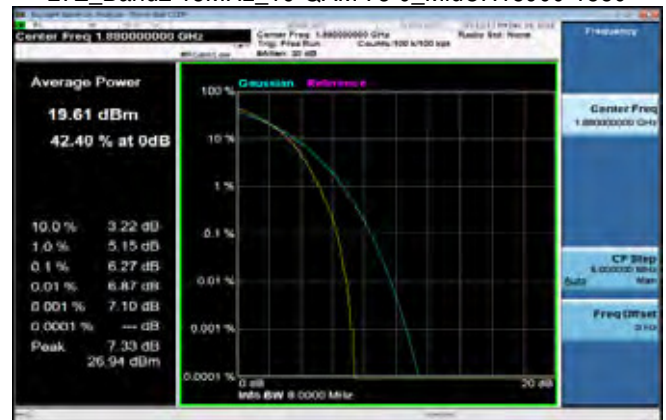
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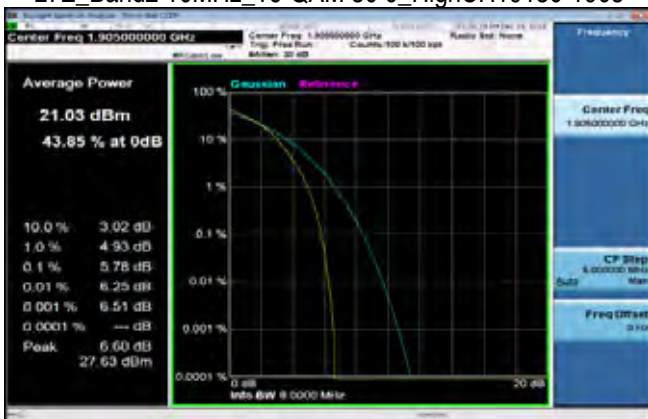
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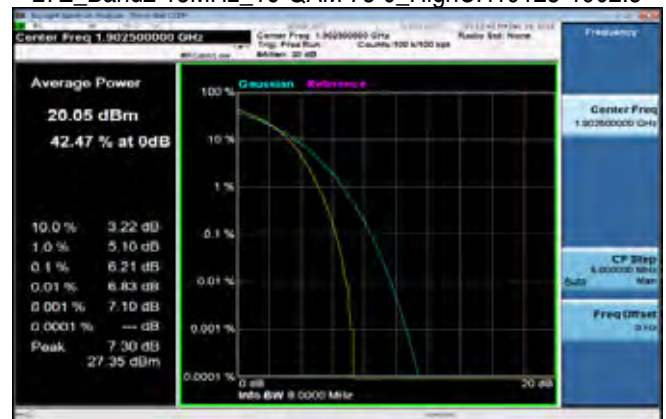
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LTE_Band2 15MHz_16-QAM 75 0_HighCH19125-1902.5



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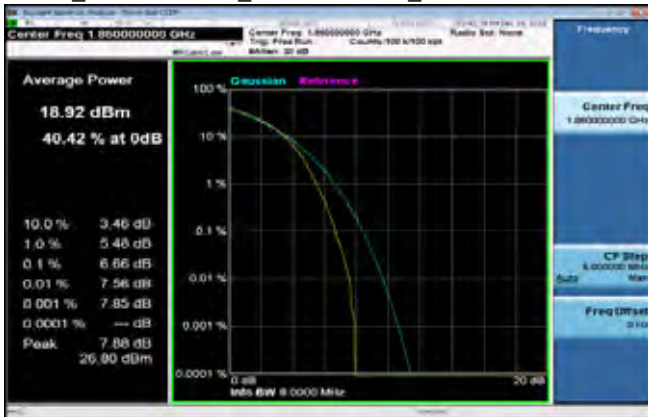
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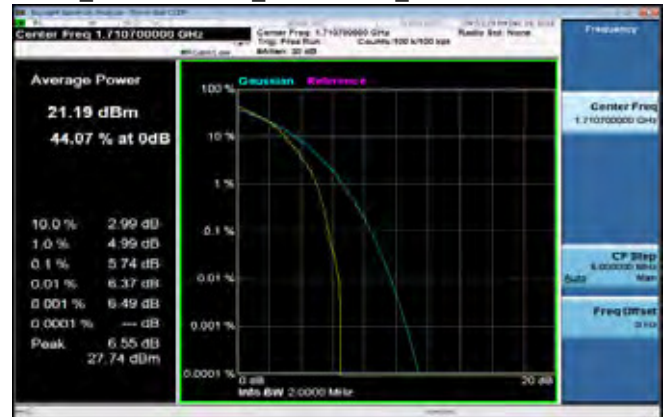
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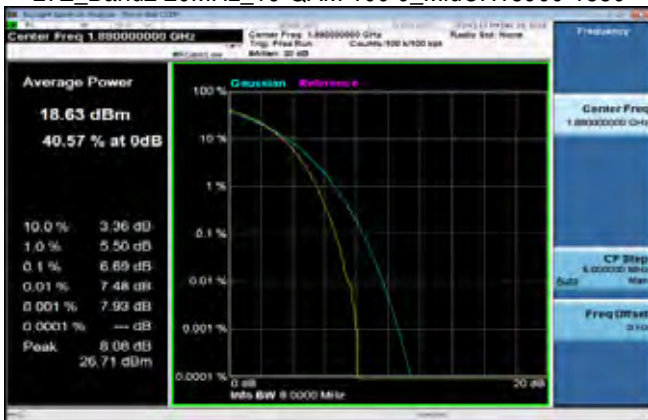
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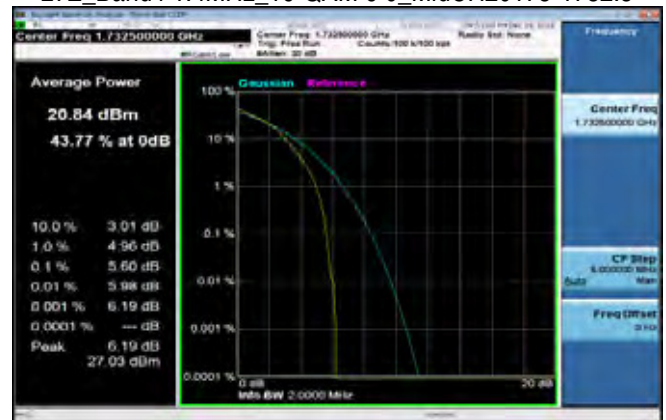
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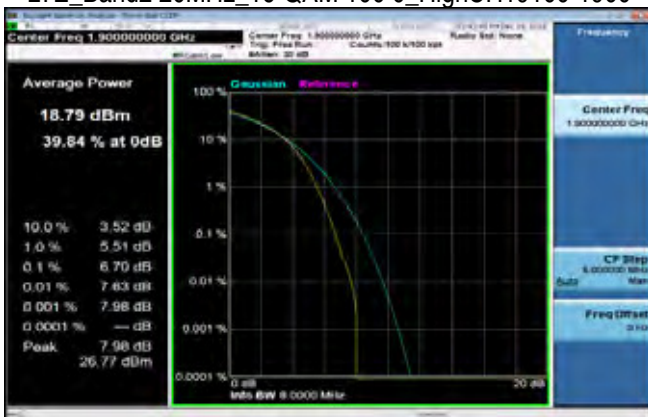
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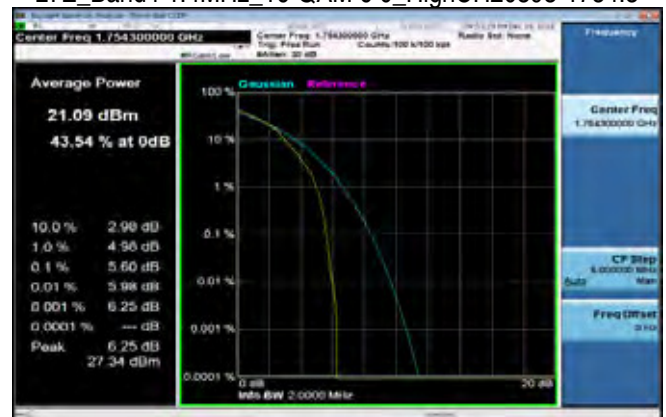
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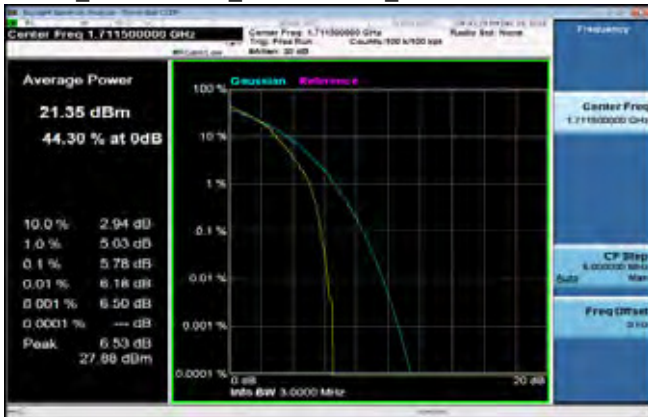
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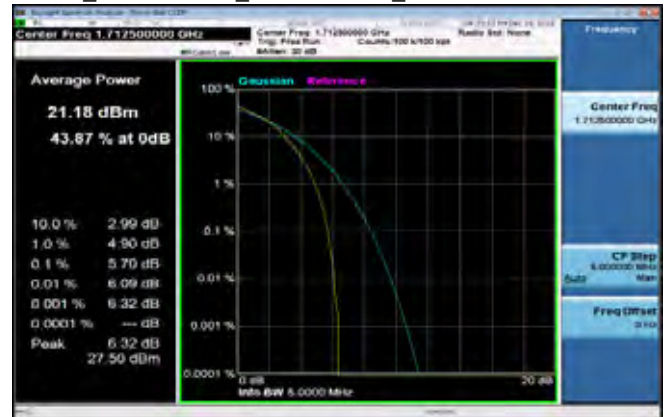
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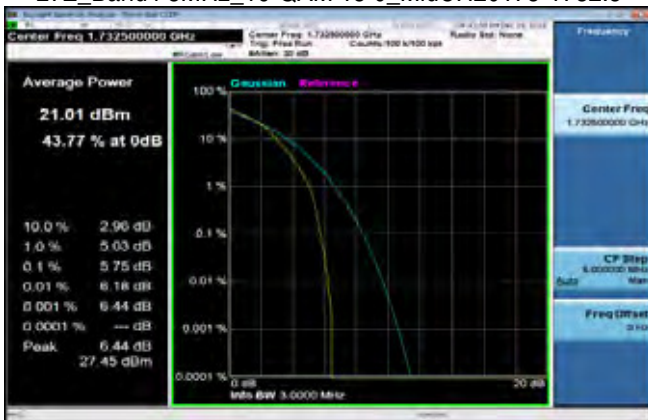
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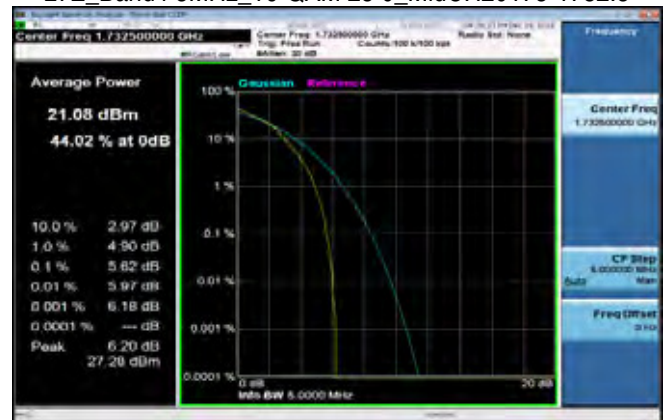
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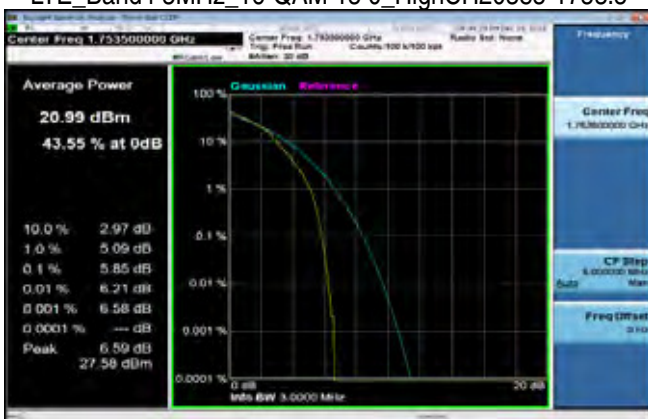
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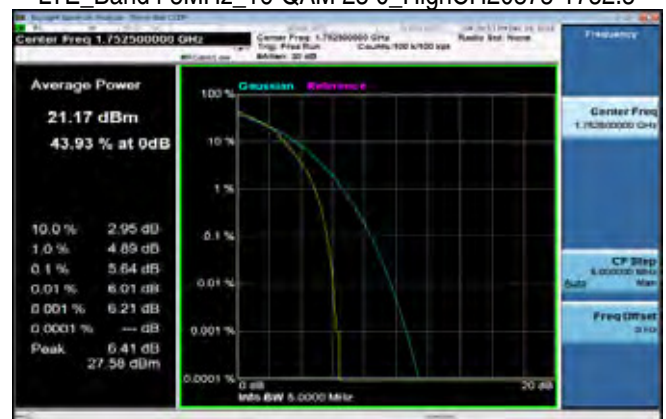
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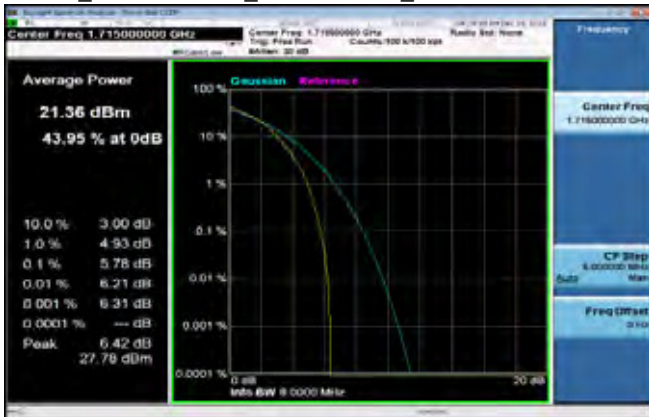
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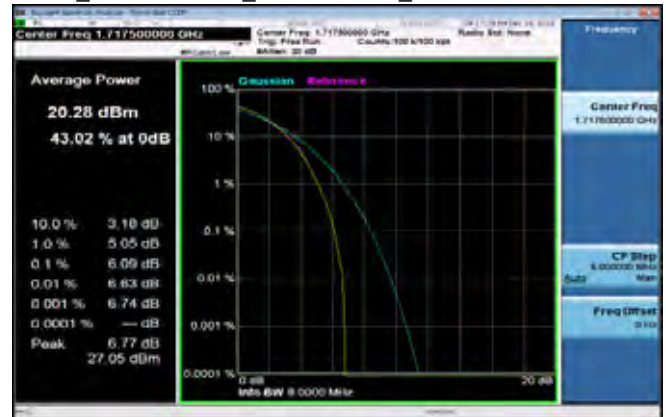
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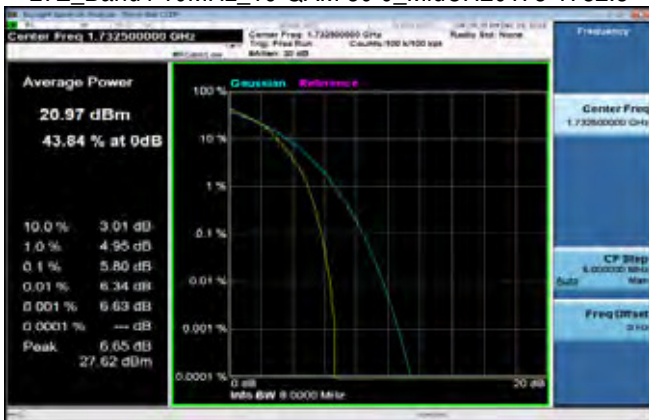
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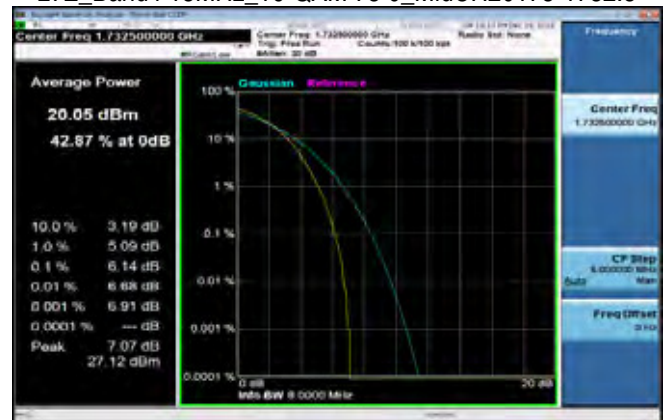
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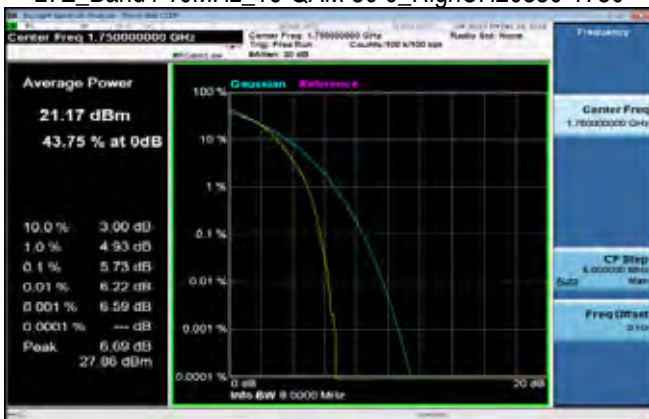
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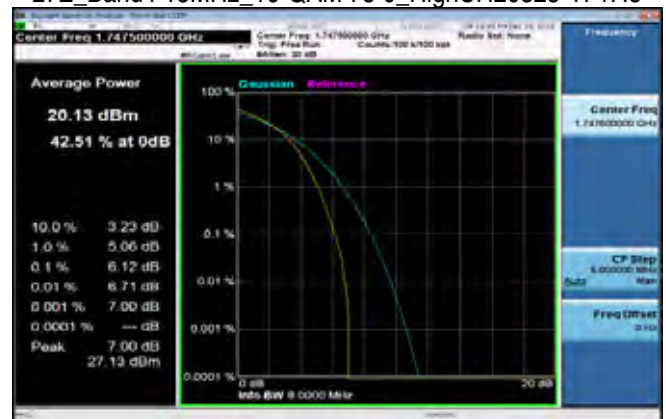
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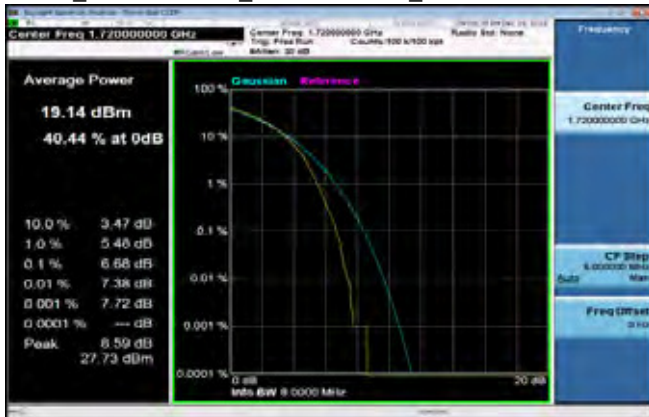
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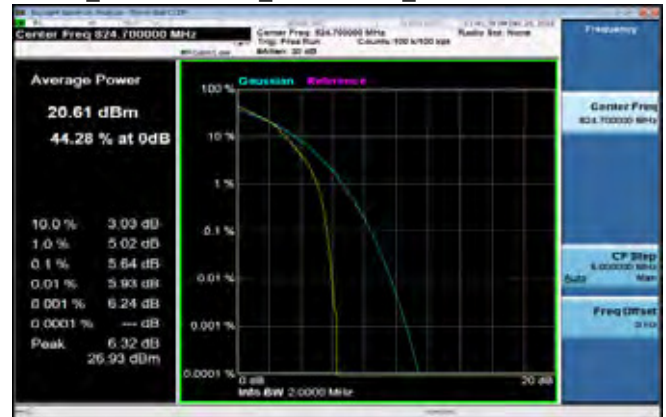
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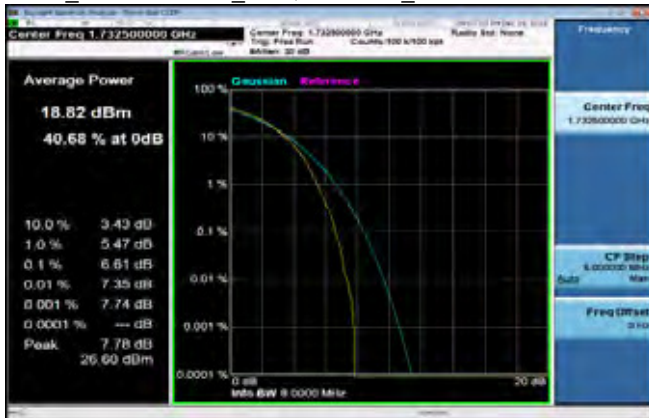
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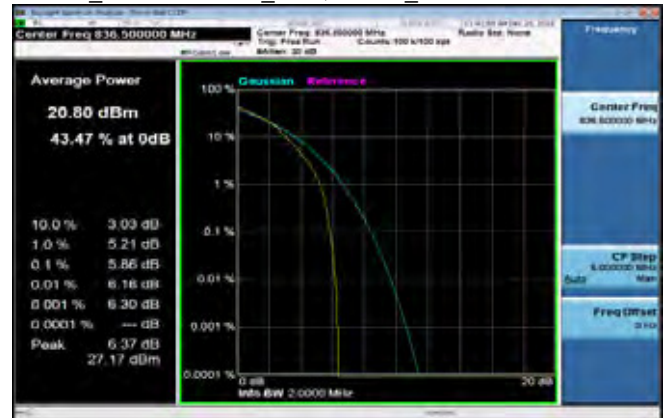
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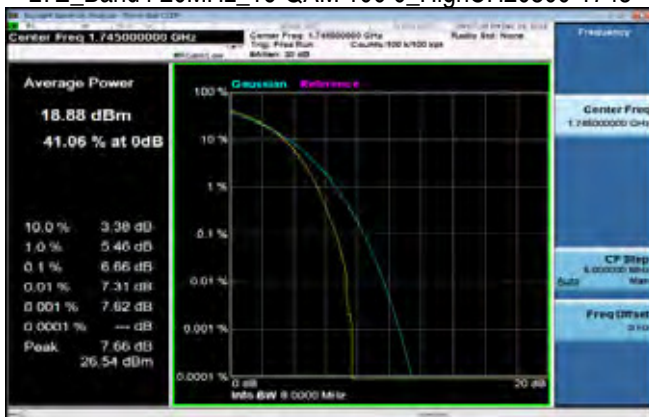
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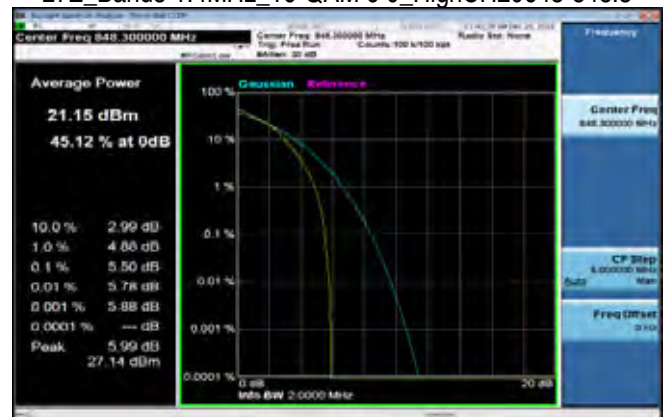
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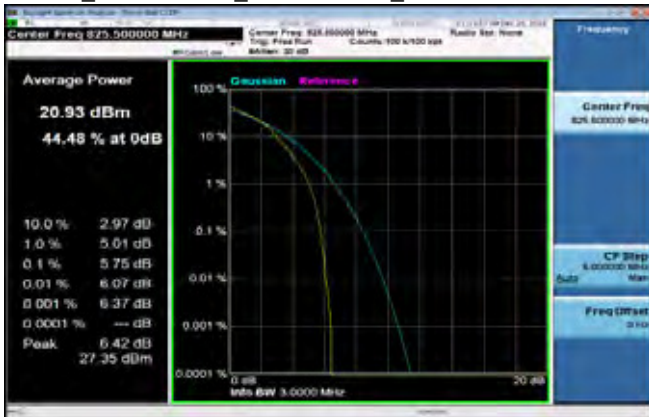
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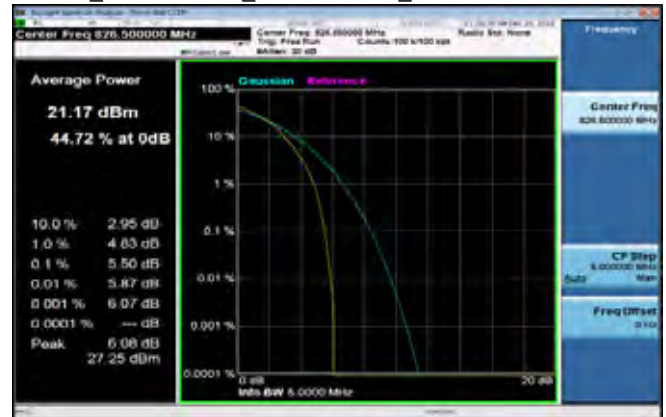
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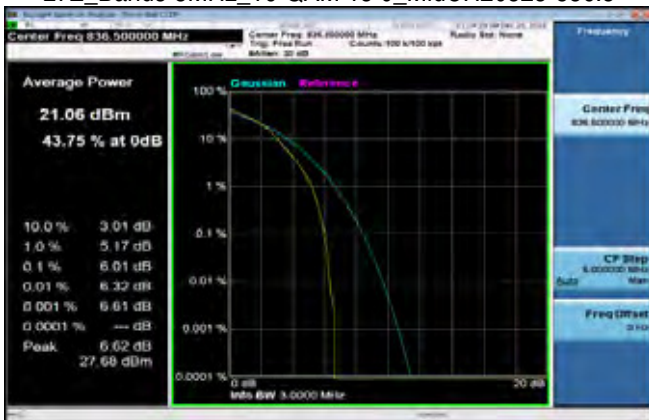
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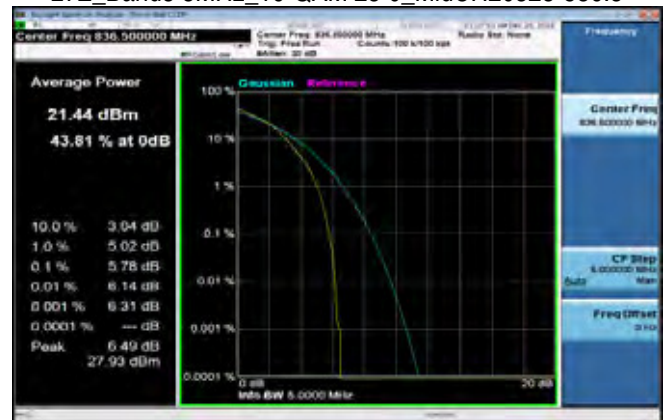
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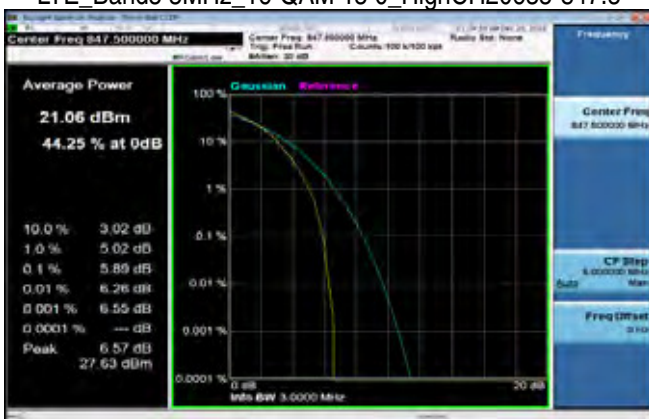
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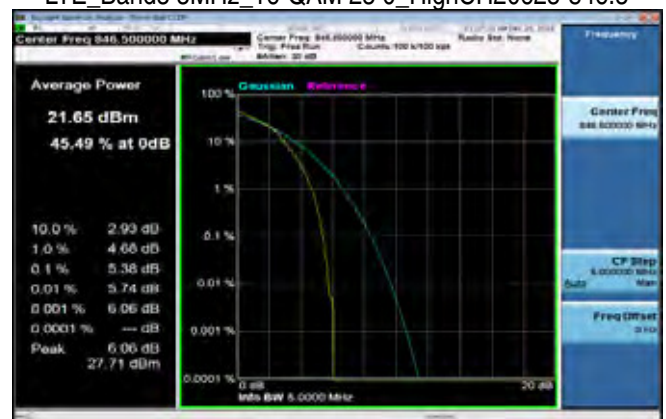
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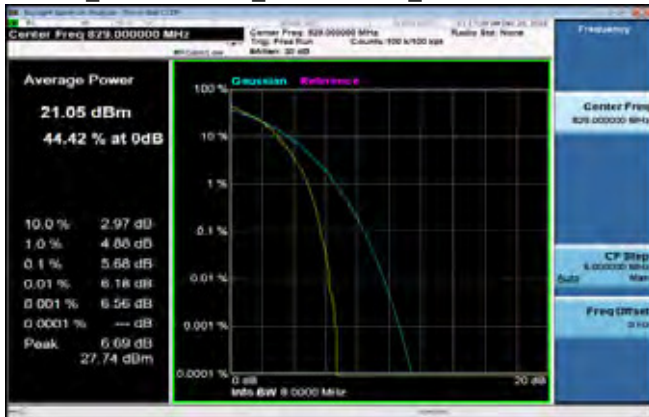
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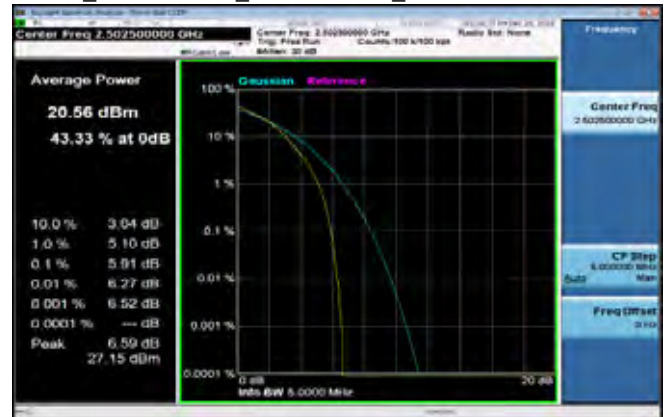
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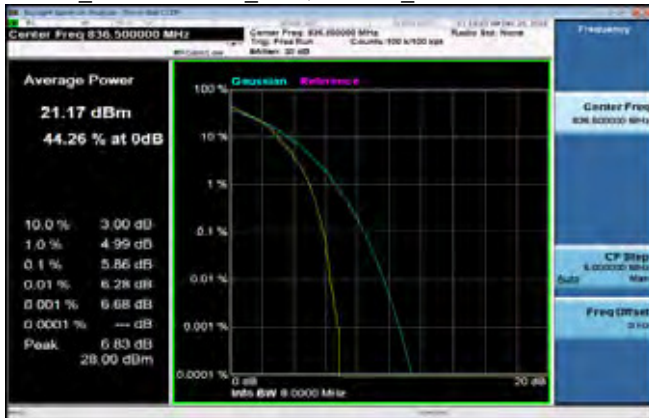
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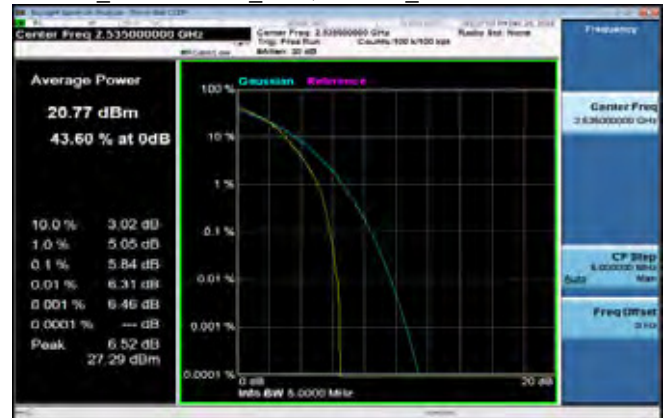
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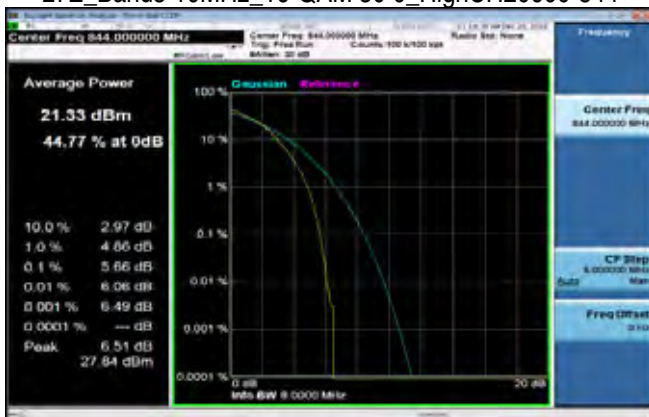
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LTE_Band5 10MHz_16-QAM 50 0_HighCH20600-844



LTE_Band7 5MHz_16-QAM 25 0_HighCH21425-2567.5



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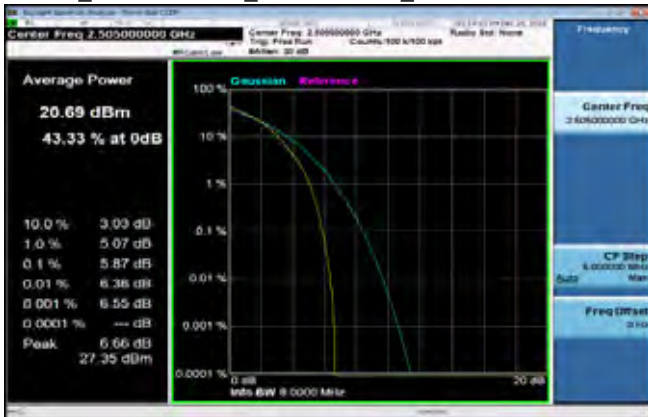
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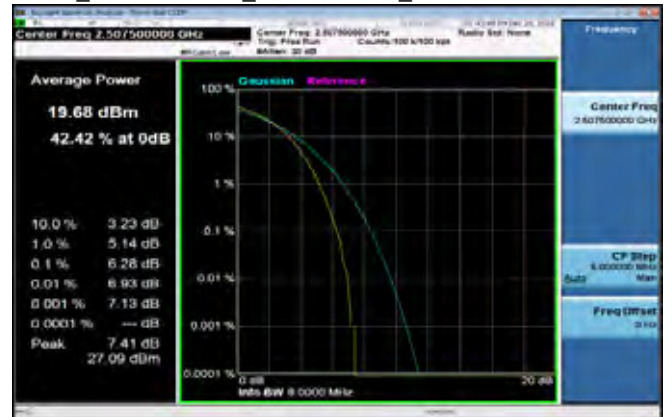
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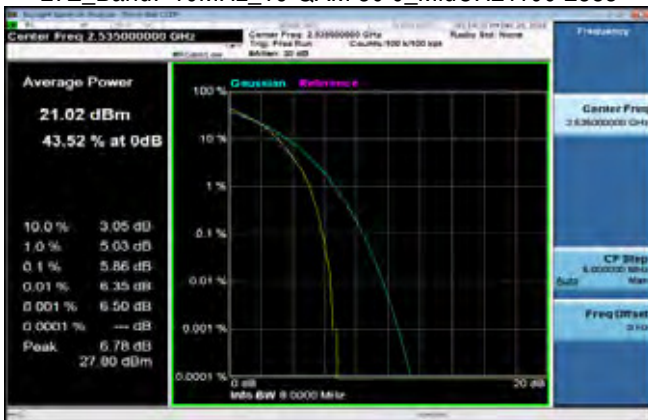
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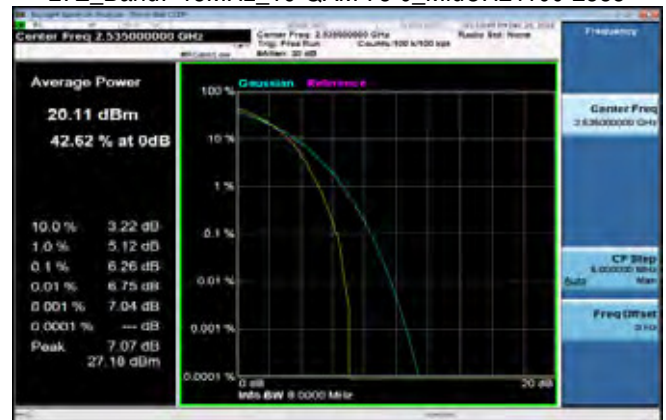
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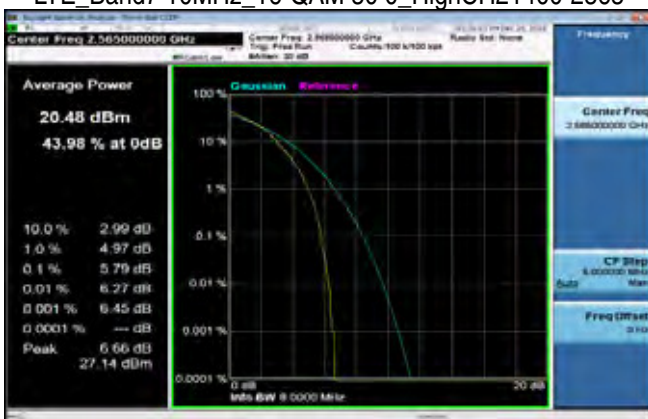
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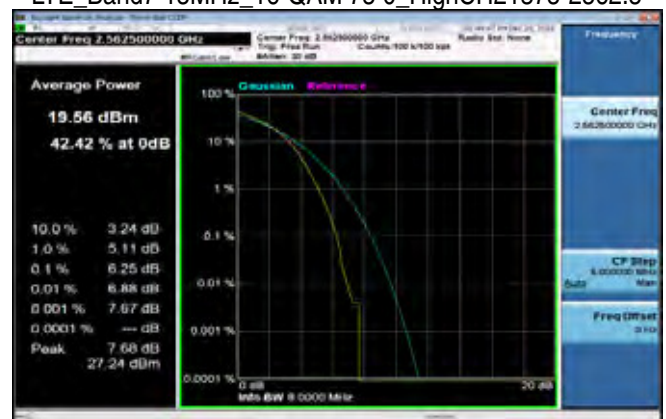
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LTE_Band7 10MHz_16-QAM 50 0_HighCH21400-2565



LTE_Band7 15MHz_16-QAM 75 0_HighCH21375-2562.5



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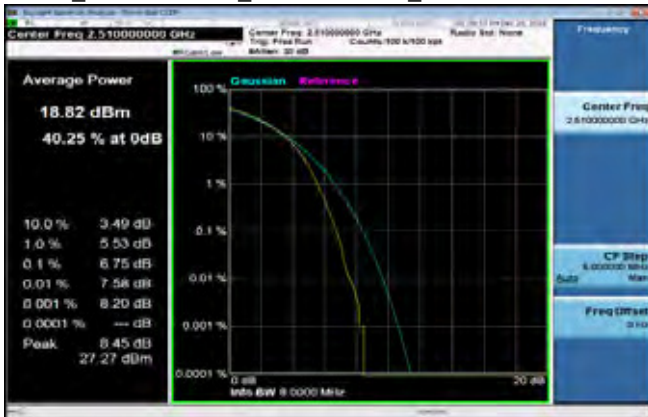
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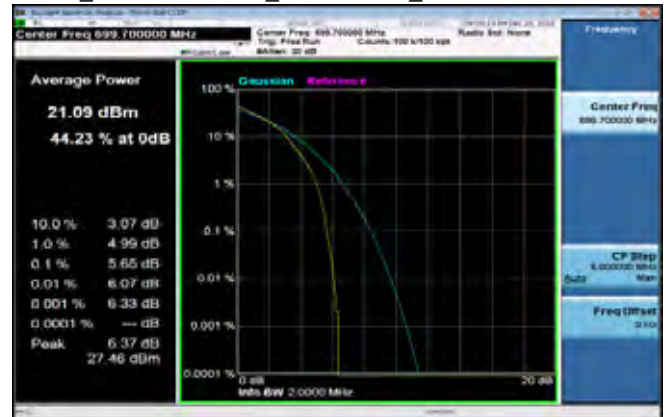
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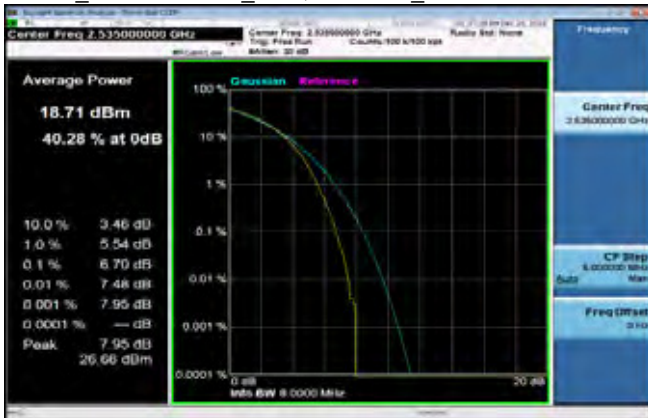
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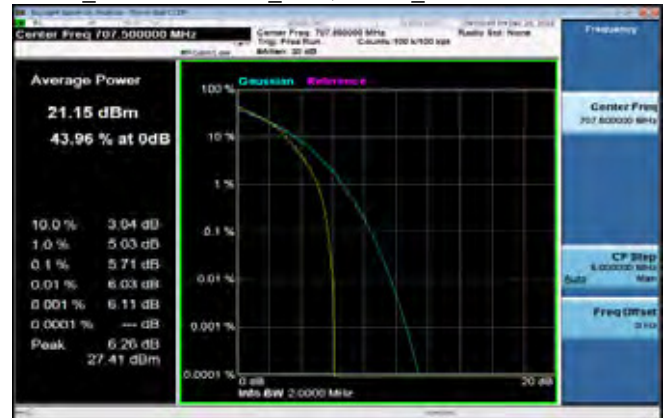
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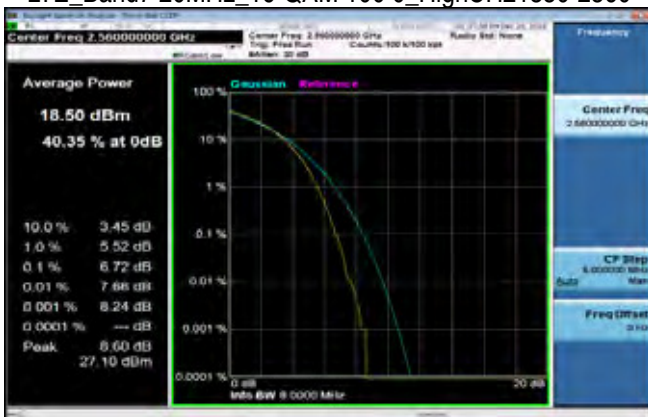
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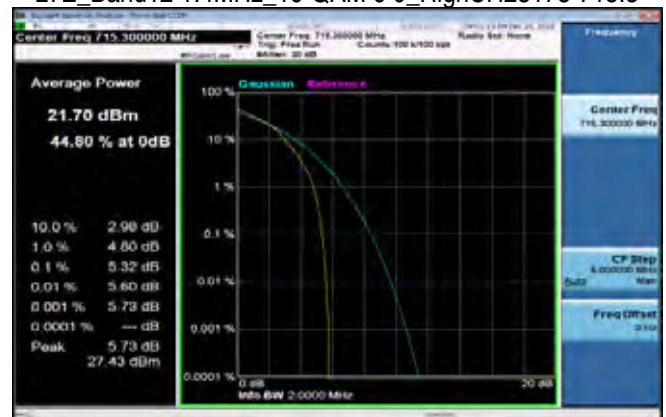
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LTE_Band7 20MHz_16-QAM 100 0_HighCH21350-2560



LTE_Band12 1.4MHz_16-QAM 6 0_HighCH23173-715.3



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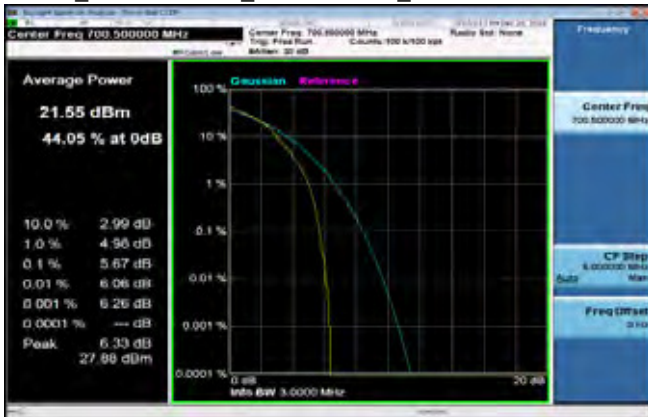
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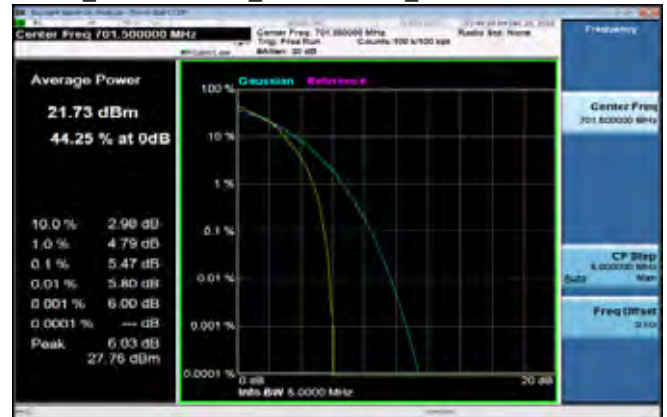
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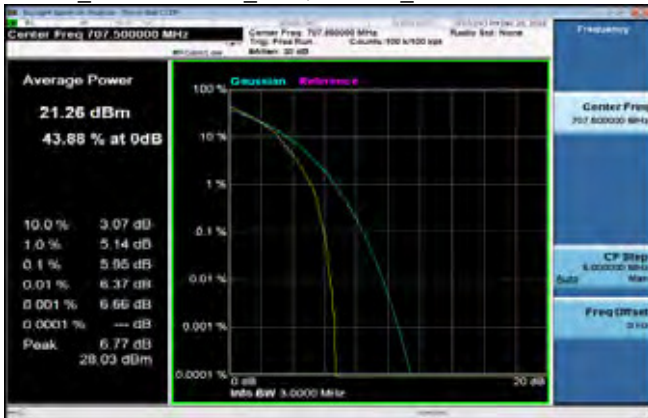
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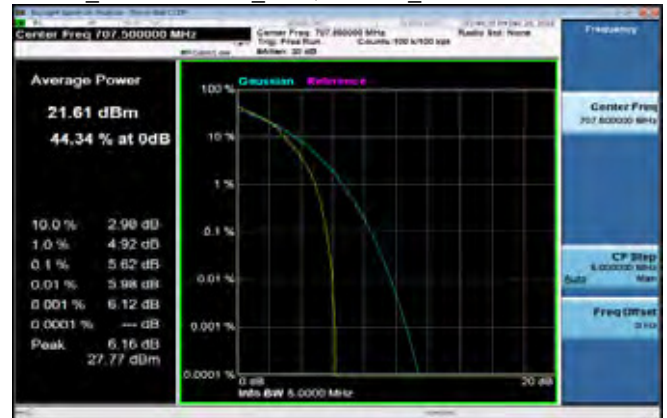
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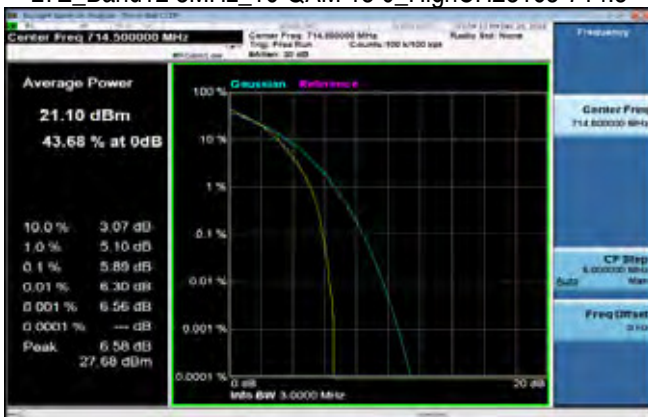
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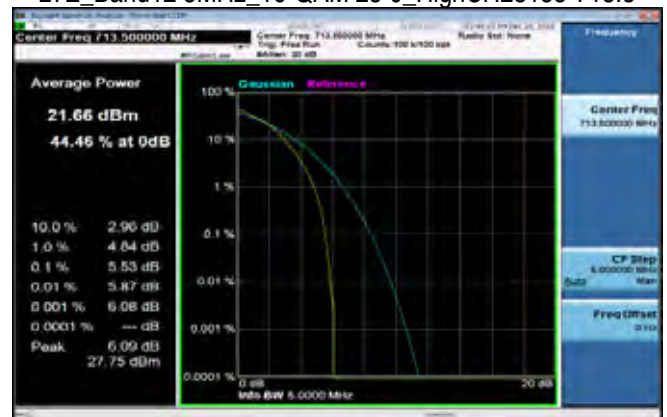
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LTE_Band12 3MHz_16-QAM 15 0_HighCH23165-714.5



LTE_Band12 5MHz_16-QAM 25 0_HighCH23155-713.5



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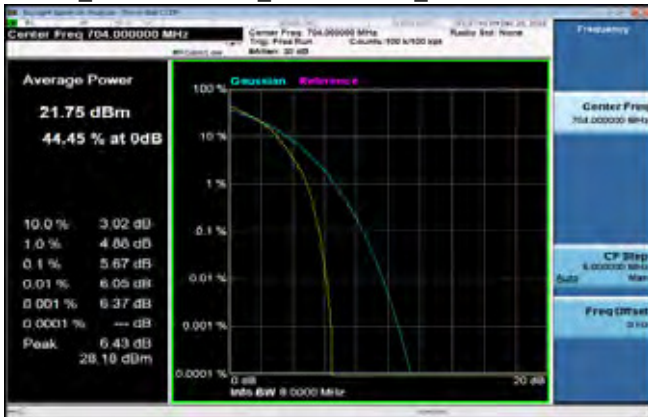
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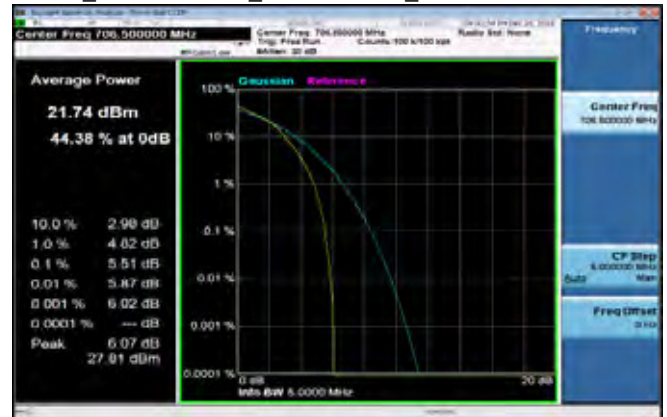
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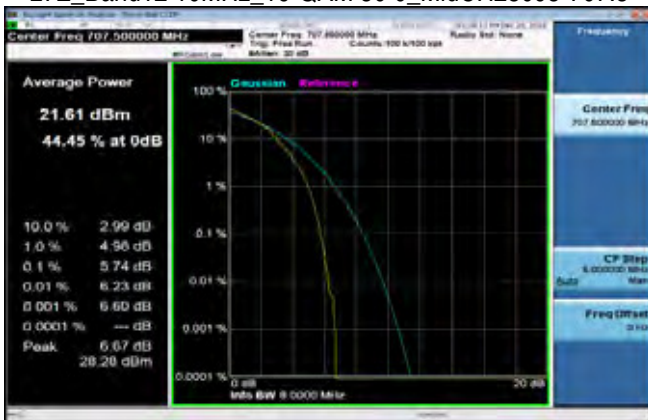
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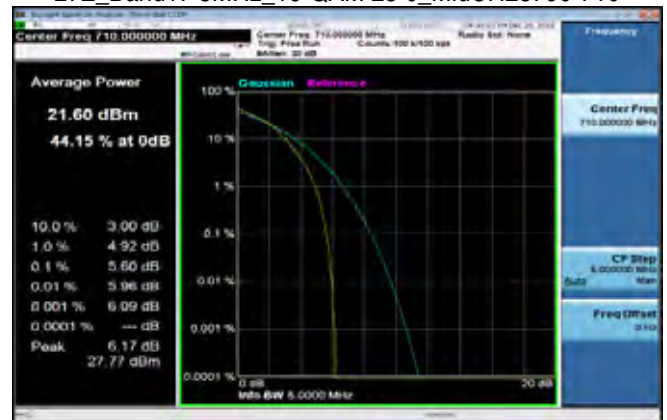
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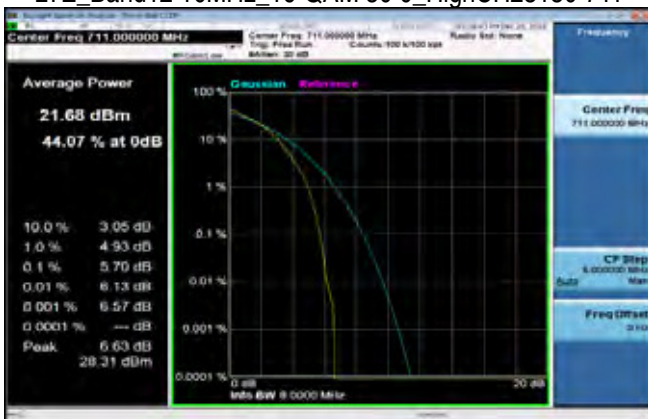
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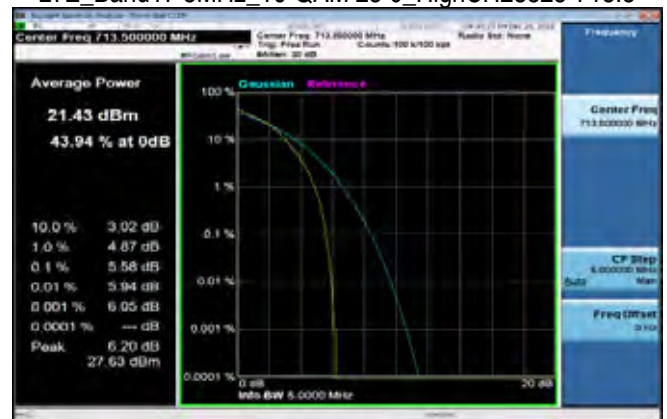
LTE_Band17 5MHz_16-QAM 25 0_MidCH23790-710



LTE_Band12 10MHz_16-QAM 50 0_HighCH23130-711



LTE_Band17 5MHz_16-QAM 25 0_HighCH23825-713.5



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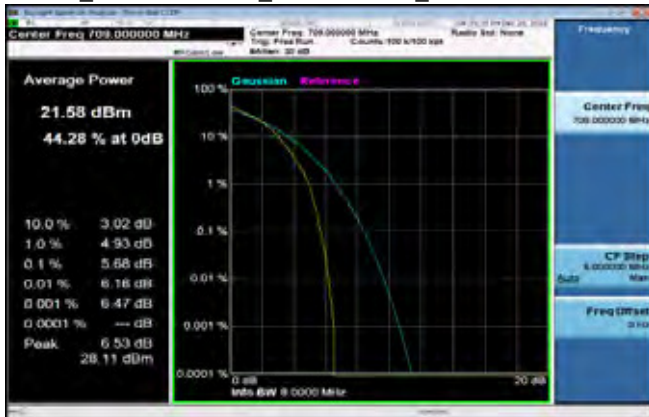
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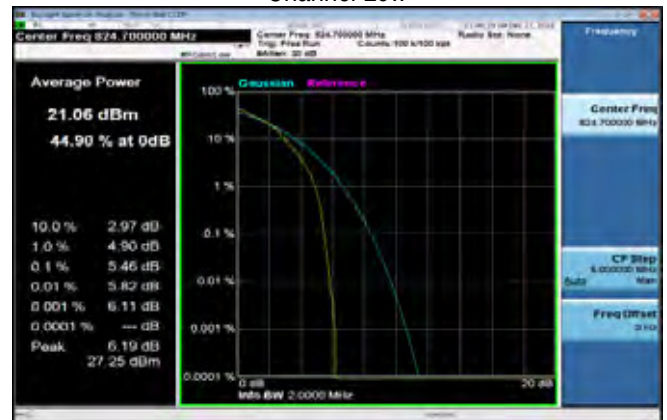
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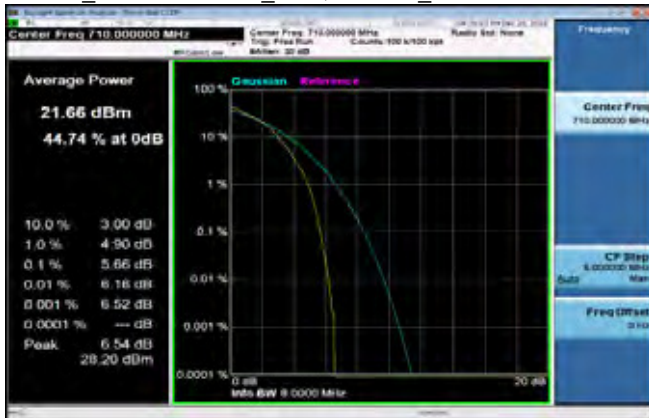
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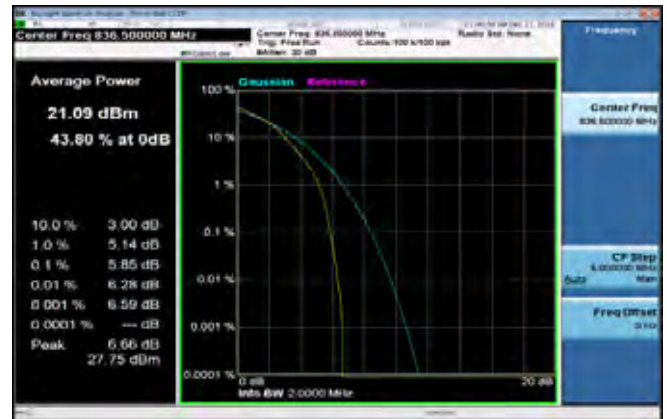
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Channel Low



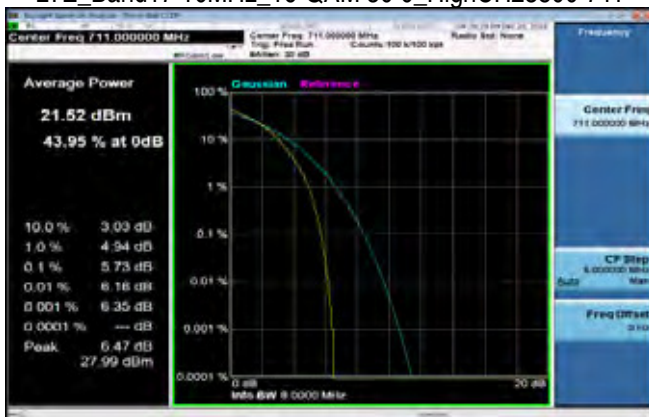
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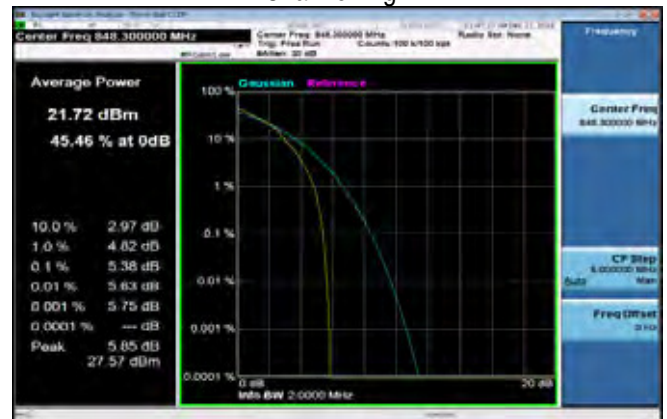
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Channel Mid



LTE_Band17 10MHz_16-QAM 50 0_HighCH23800-711



1.4MHz BW LTE-Band 26(16QAM Number: 6 Offset: 0)
Channel High



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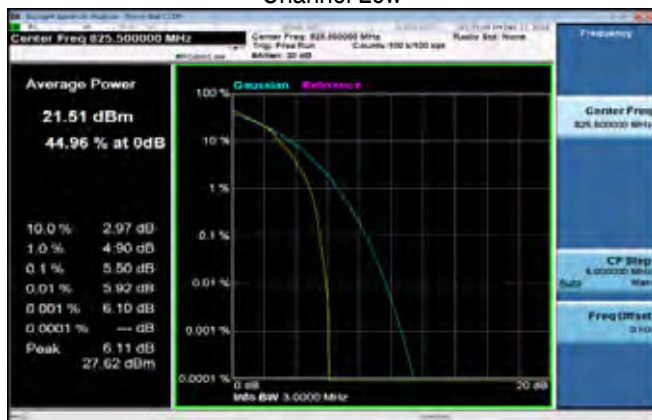
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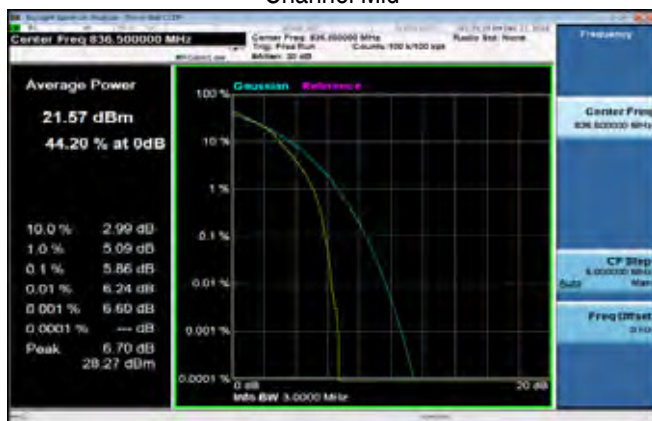
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Channel Low



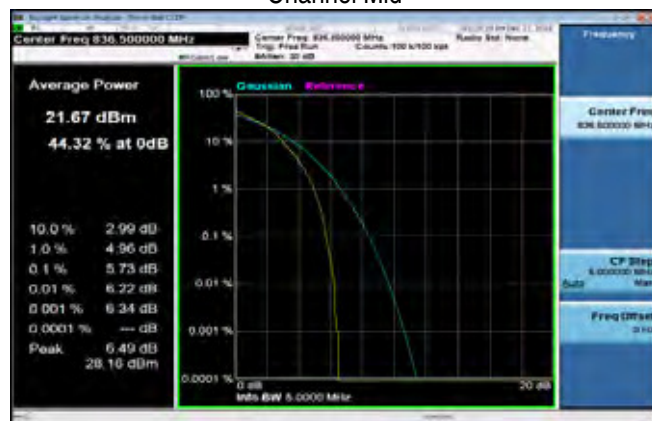
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Channel Low



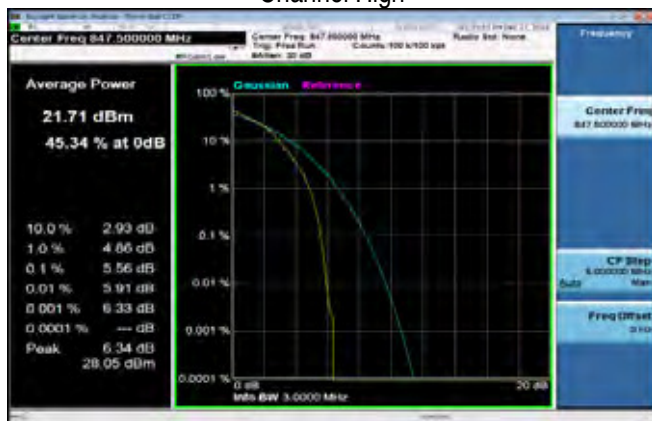
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Channel Mid



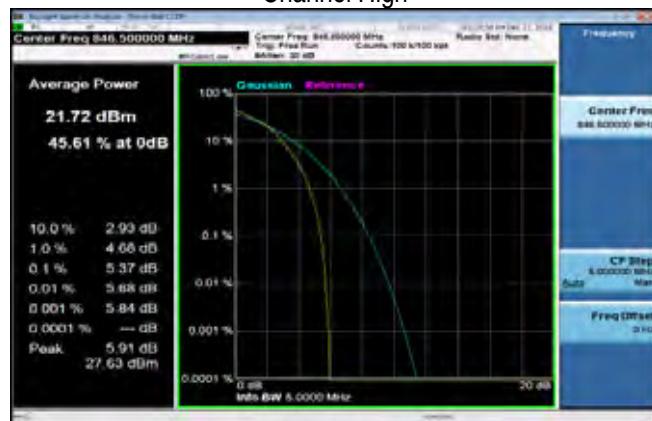
5MHz BW LTE-Band 26(16QAM Number: 25 Offset: 0)
Channel Mid



3MHz BW LTE-Band 26(16QAM Number: 15 Offset: 0)
Channel High



5MHz BW LTE-Band 26(16QAM Number: 25 Offset: 0)
Channel High



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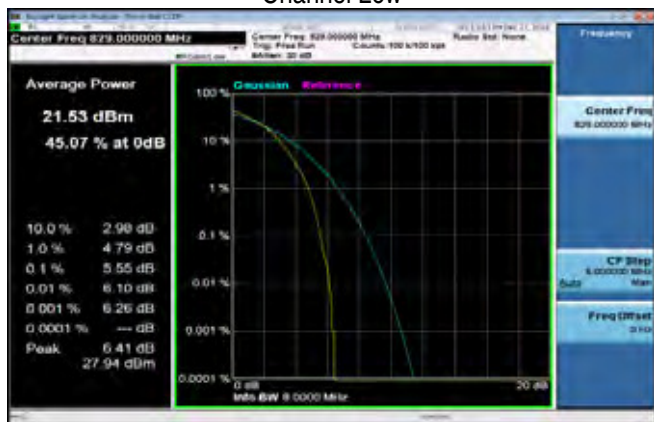
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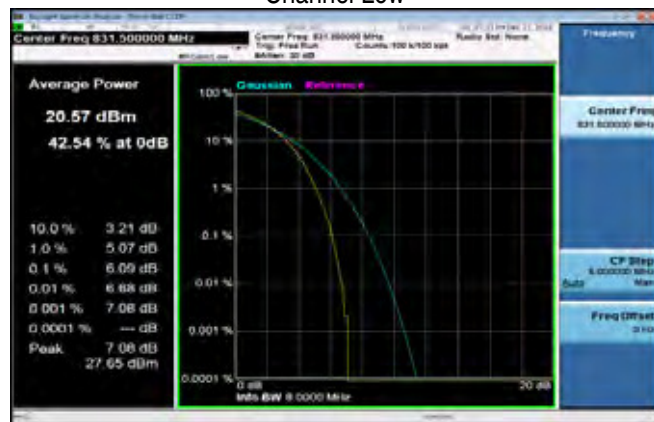
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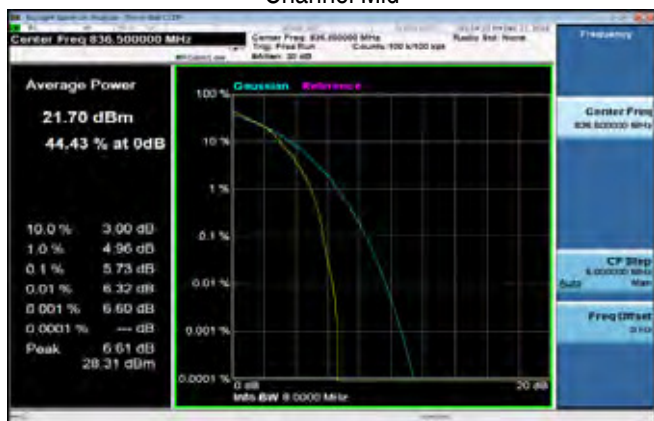
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Channel Low



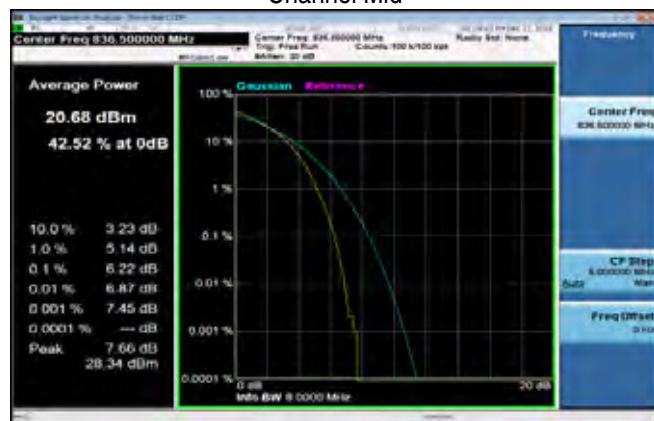
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Channel Low



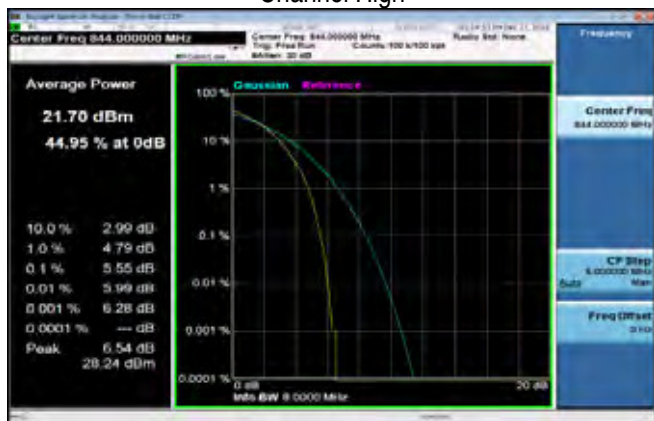
10MHz BW LTE-Band 26(16QAM Number: 50 Offset: 0)
Channel Mid



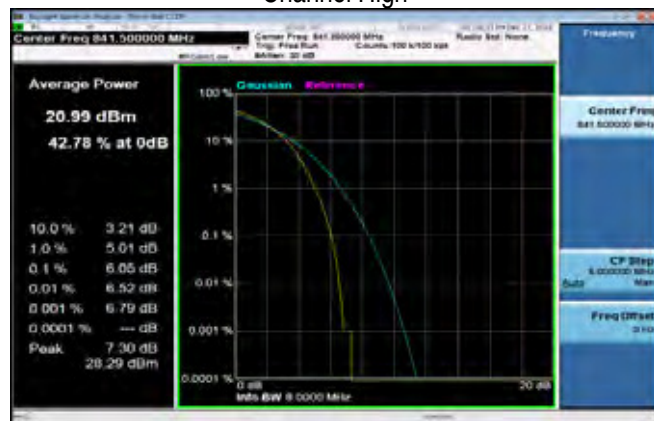
15MHz BW LTE-Band 26(16QAM Number: 75 Offset: 0)
Channel Mid



10MHz BW LTE-Band 26(16QAM Number: 50 Offset: 0)
Channel High



15MHz BW LTE-Band 26(16QAM Number: 75 Offset: 0)
Channel High



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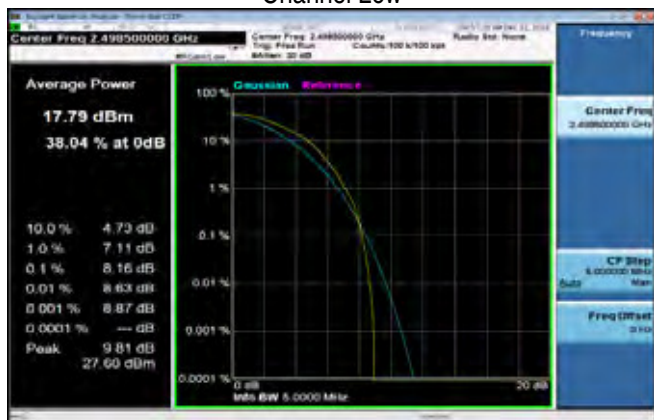
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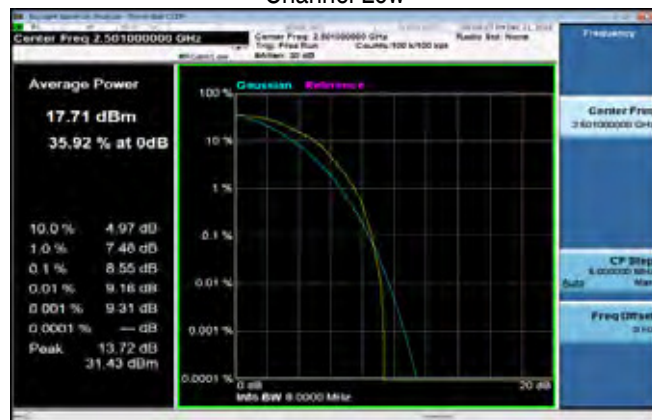
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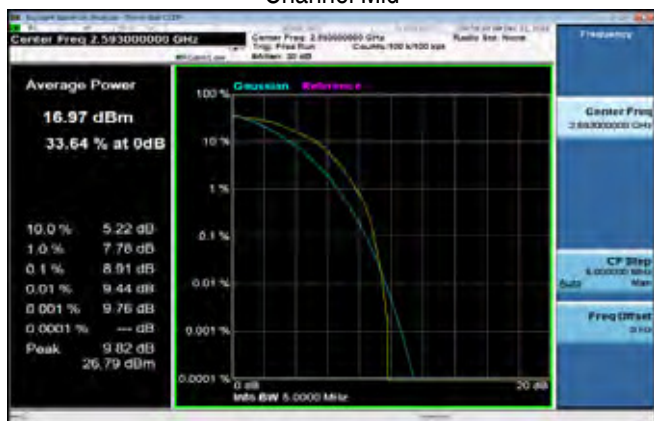
5MHz BW LTE-Band 41(16QAM Number: 25 Offset: 0)
Channel Low



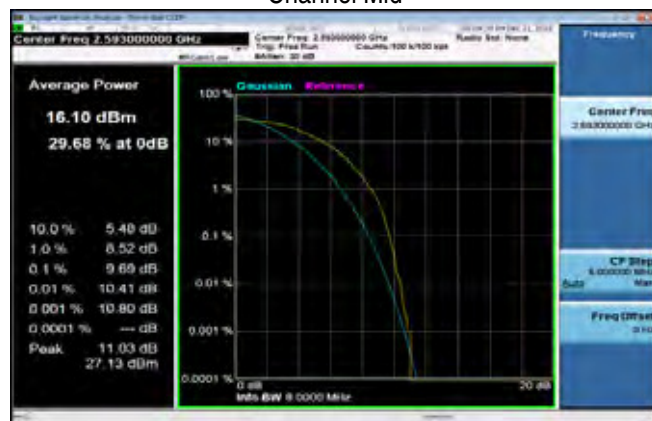
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Channel Low



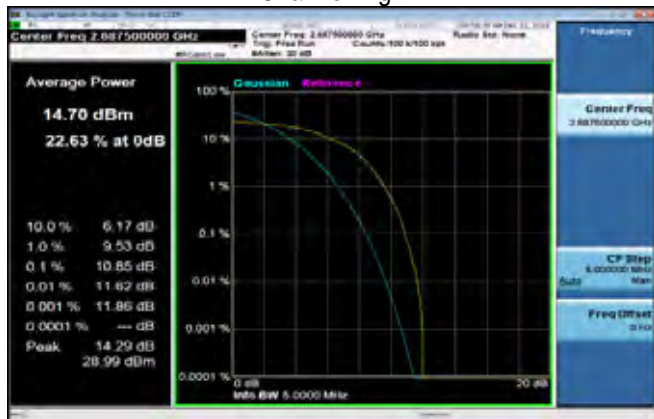
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Channel Mid



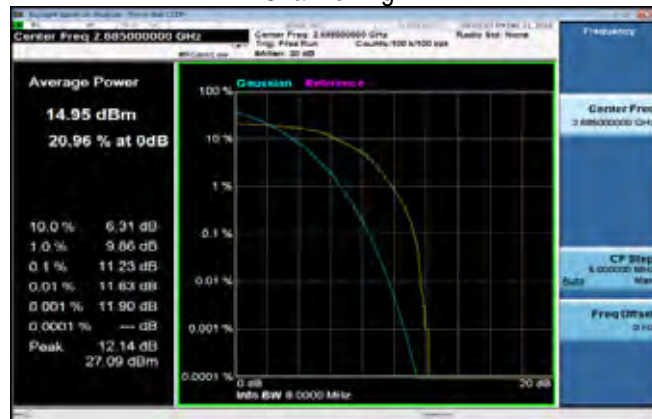
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Channel Mid



5MHz BW LTE-Band 41(16QAM Number: 25 Offset: 0)
Channel High



10MHz BW LTE-Band 41(16QAM Number: 50 Offset: 0)
Channel High



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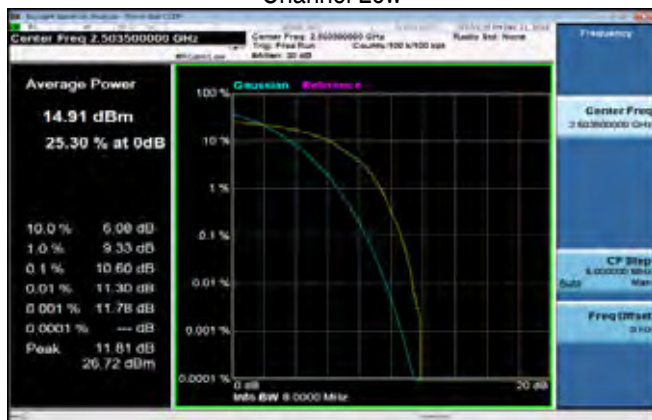
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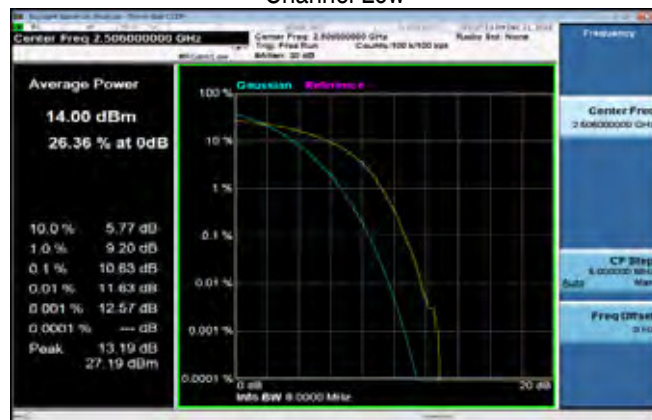
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15MHz BW LTE-Band 41(16QAM Number: 75 Offset: 0)
Channel Low



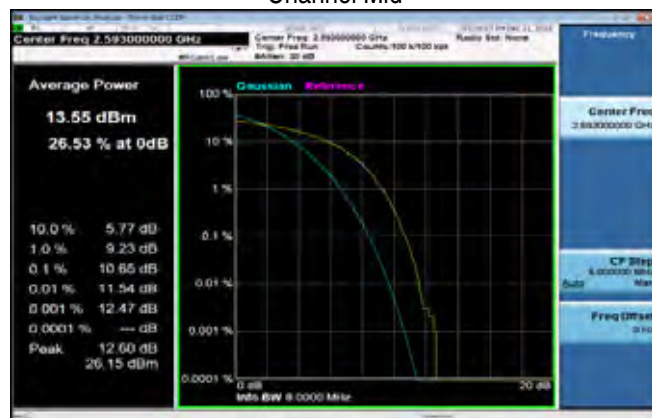
20MHz BW LTE-Band 41(16QAM Number: 100 Offset: 0)
Channel Low



15MHz BW LTE-Band 41(16QAM Number: 75 Offset: 0)
Channel Mid



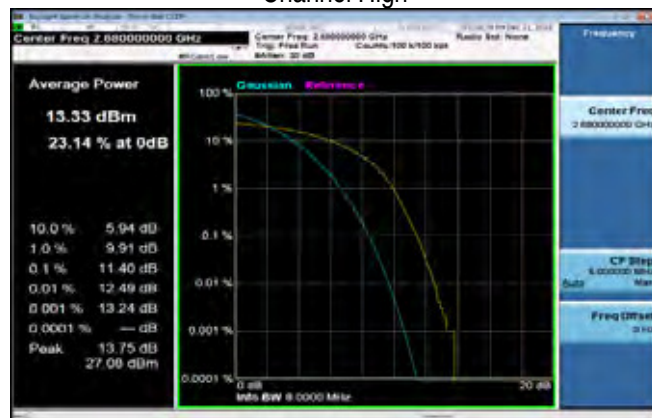
20MHz BW LTE-Band 41(16QAM Number: 100 Offset: 0)
Channel Mid



15MHz BW LTE-Band 41(16QAM Number: 75 Offset: 0)
Channel High



20MHz BW LTE-Band 41(16QAM Number: 100 Offset: 0)
Channel High



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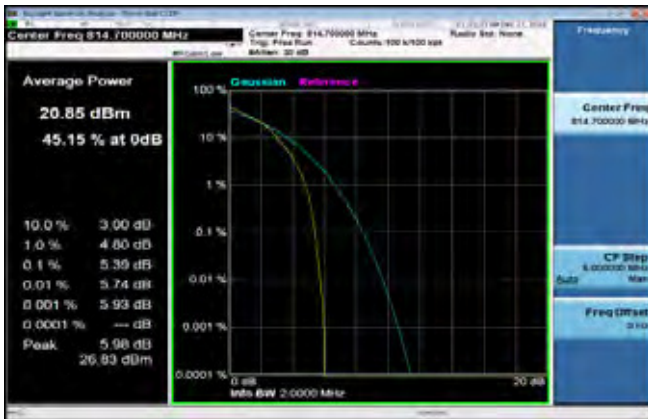
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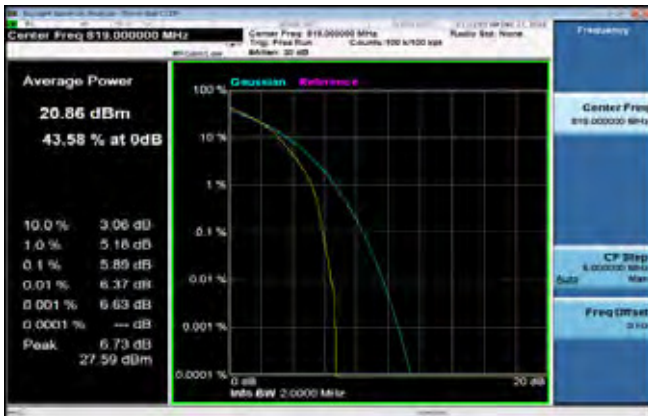
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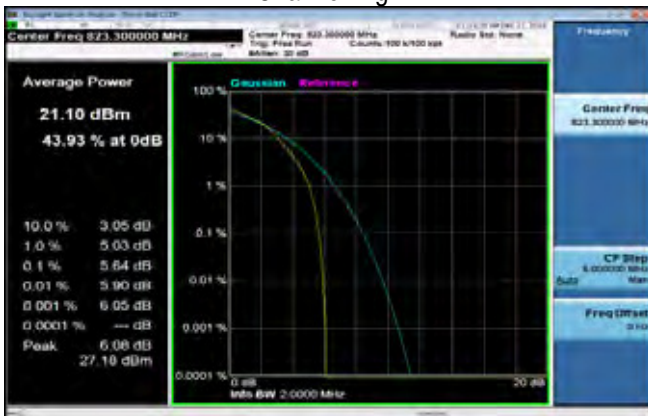
LTE-Band 26 for Part 90S
1.4MHz BW LTE-Band 26 (16QAM Number: 6 Offset: 0)
Channel Low



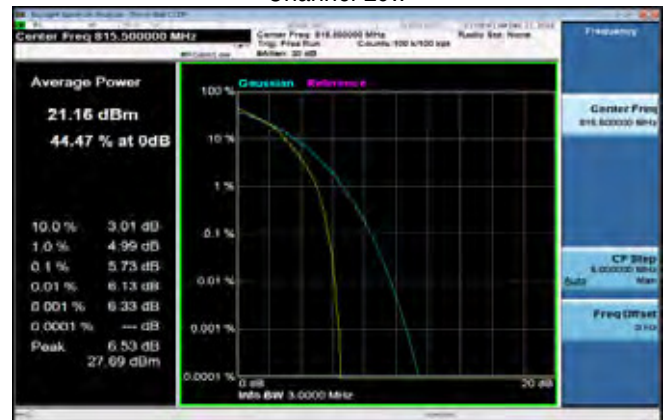
1.4MHz BW LTE-Band 26 (16QAM Number: 6 Offset: 0)
Channel Mid



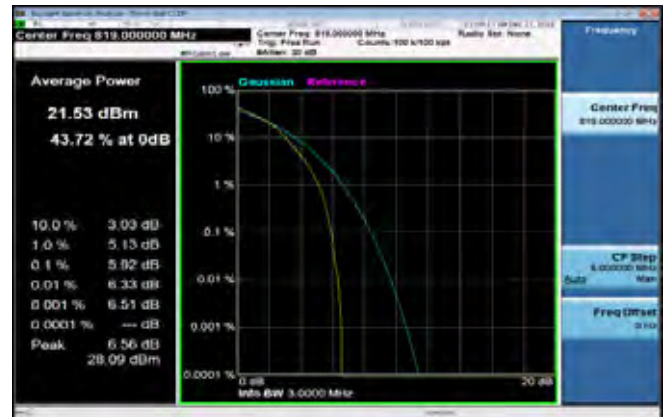
1.4MHz BW LTE-Band 26 (16QAM Number: 6 Offset: 0)
Channel High



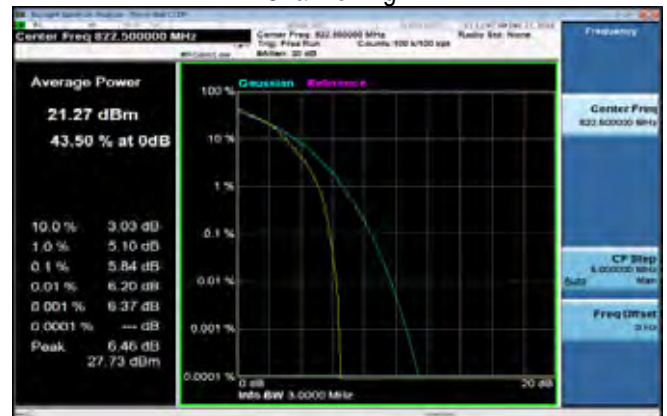
3MHz BW LTE-Band 26 (16QAM Number: 15 Offset: 0)
Channel Low



3MHz BW LTE-Band 26 (16QAM Number: 15 Offset: 0)
Channel Mid



3MHz BW LTE-Band 26 (16QAM Number: 15 Offset: 0)
Channel High



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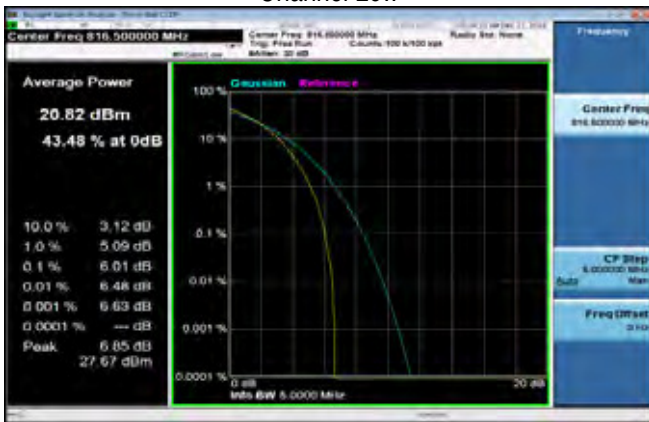
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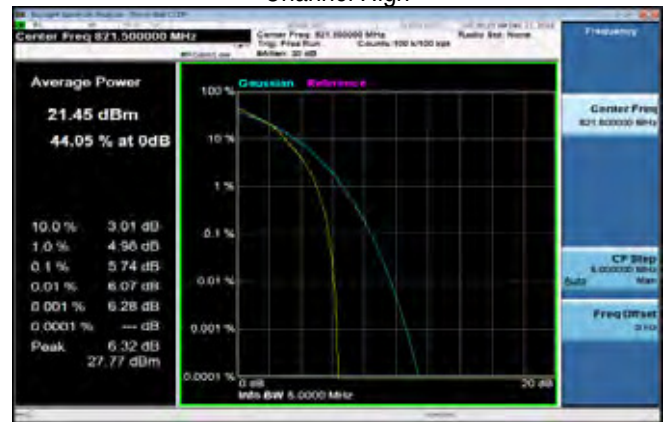
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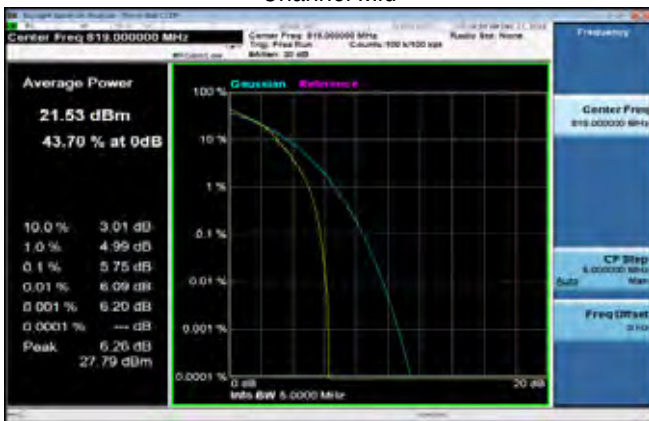
5MHz BW LTE-Band 26 (16QAM Number: 25 Offset: 0)
Channel Low



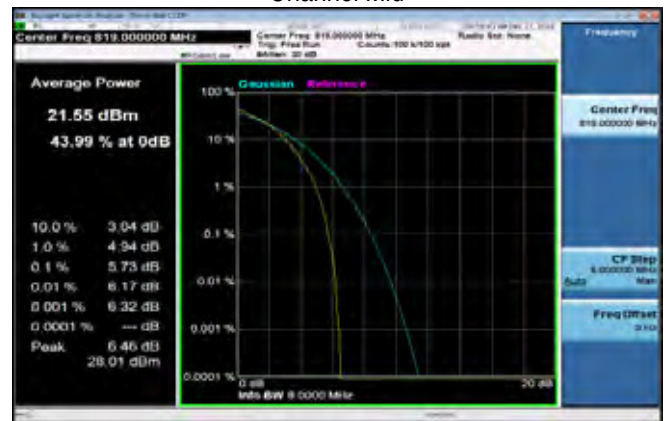
5MHz BW LTE-Band 26 (16QAM Number: 25 Offset: 0)
Channel High



5MHz BW LTE-Band 26 (16QAM Number: 25 Offset: 0)
Channel Mid



10MHz BW LTE-Band 26 (16QAM Number: 50 Offset: 0)
Channel Mid



~ End of Report ~

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