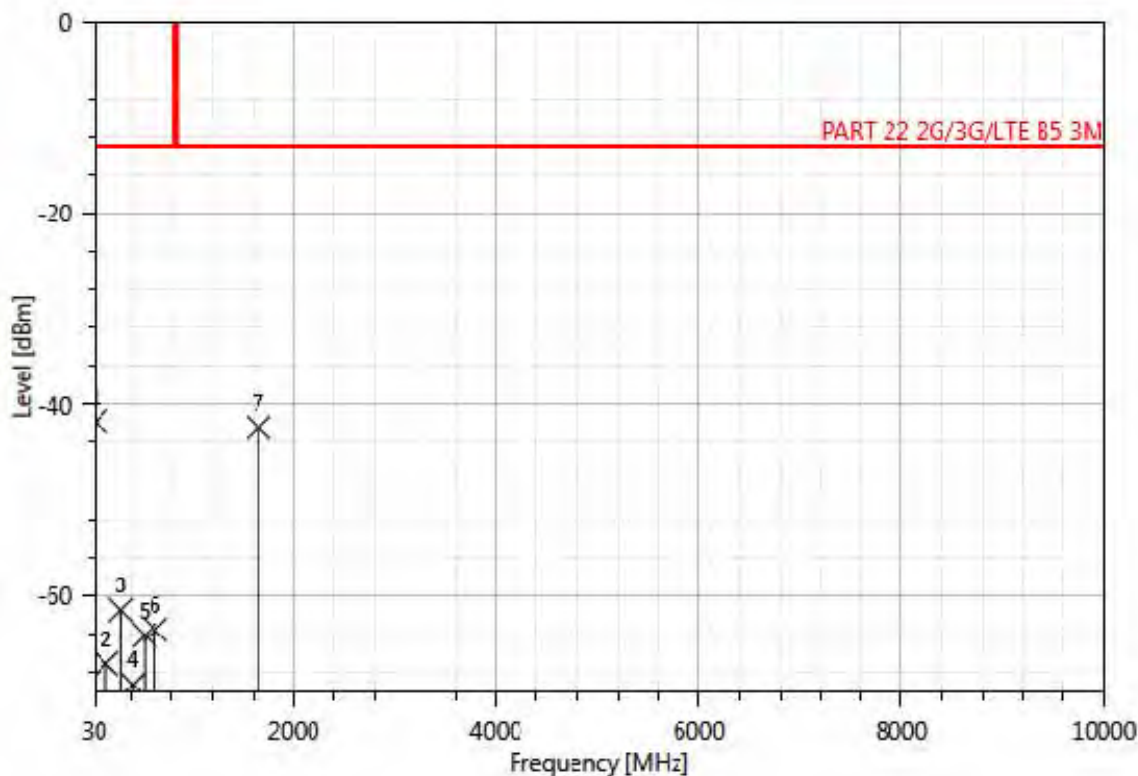


Radiated Spurious Emission Measurement Result: WCDMA Band V Mode

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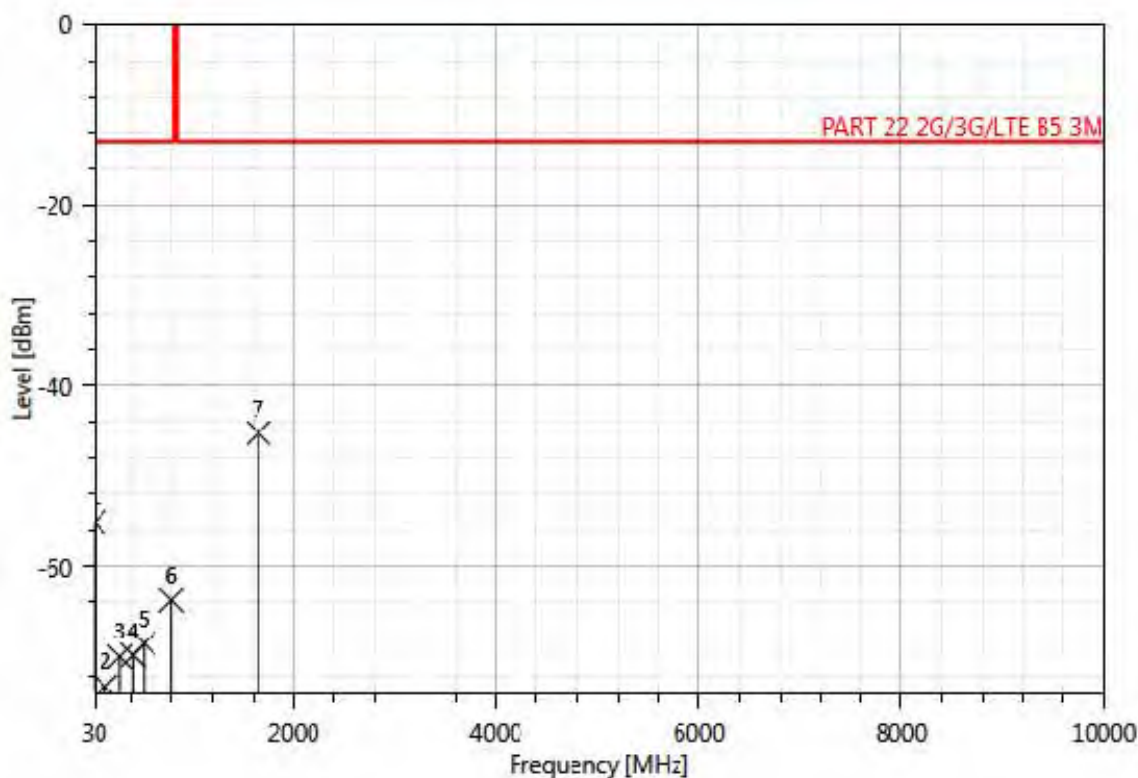
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Operation Mode : WCDMA B5 Test Date : 12/23/2016 23:47:03
Fundamental Frequency : 826.4 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq.	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
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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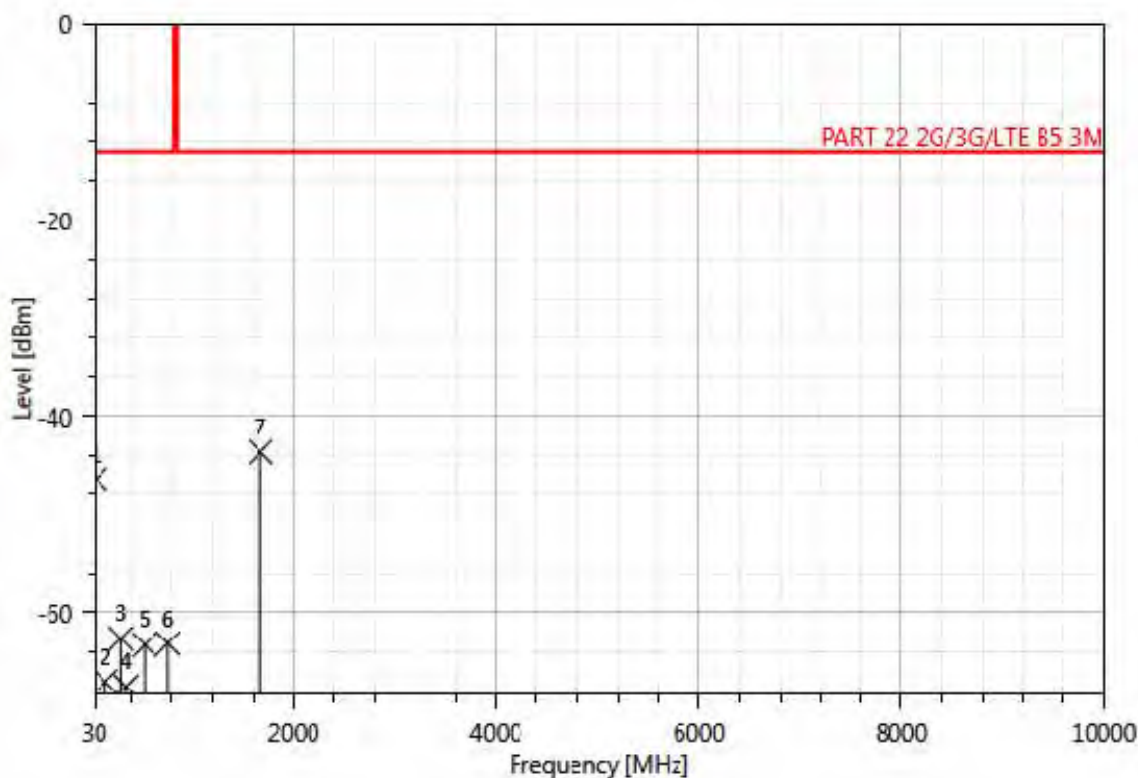
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Operation Mode : WCDMA B5 Test Date : 12/23/2016 23:47:06
Fundamental Frequency : 836.6 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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	-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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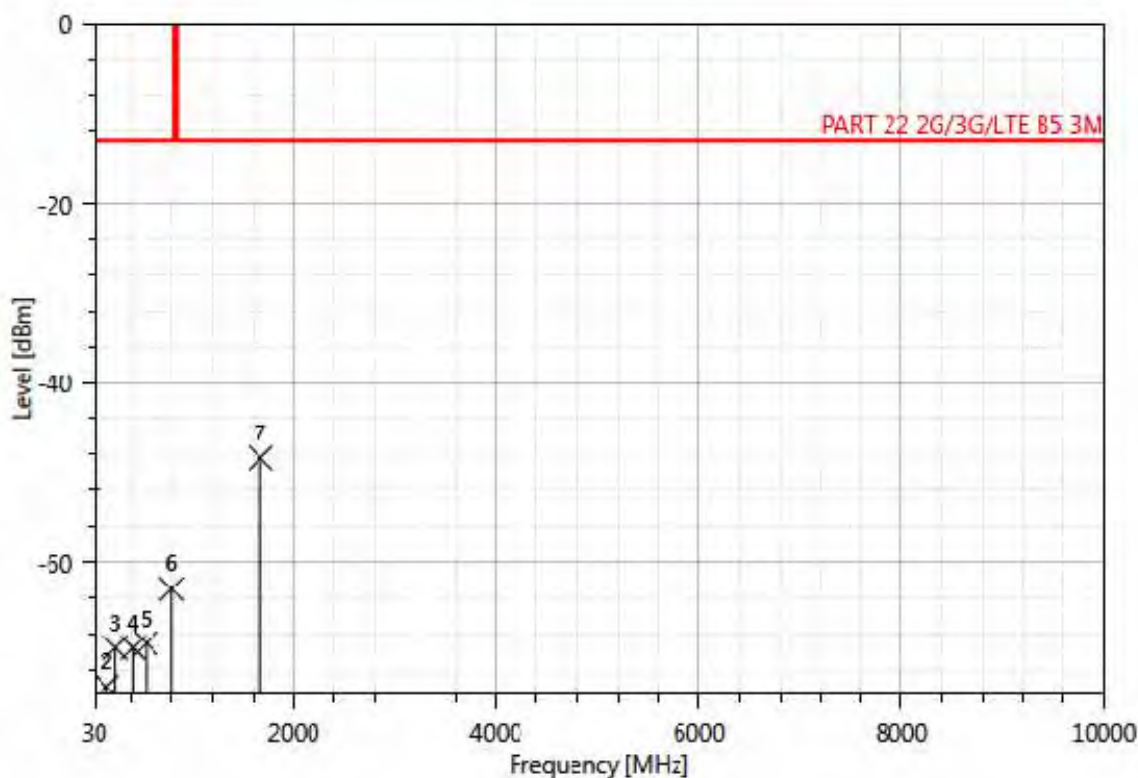
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Operation Mode :	WCDMA B5	Test Date :	12/23/2016 23:47:08
Fundamental Frequency :	836.6 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



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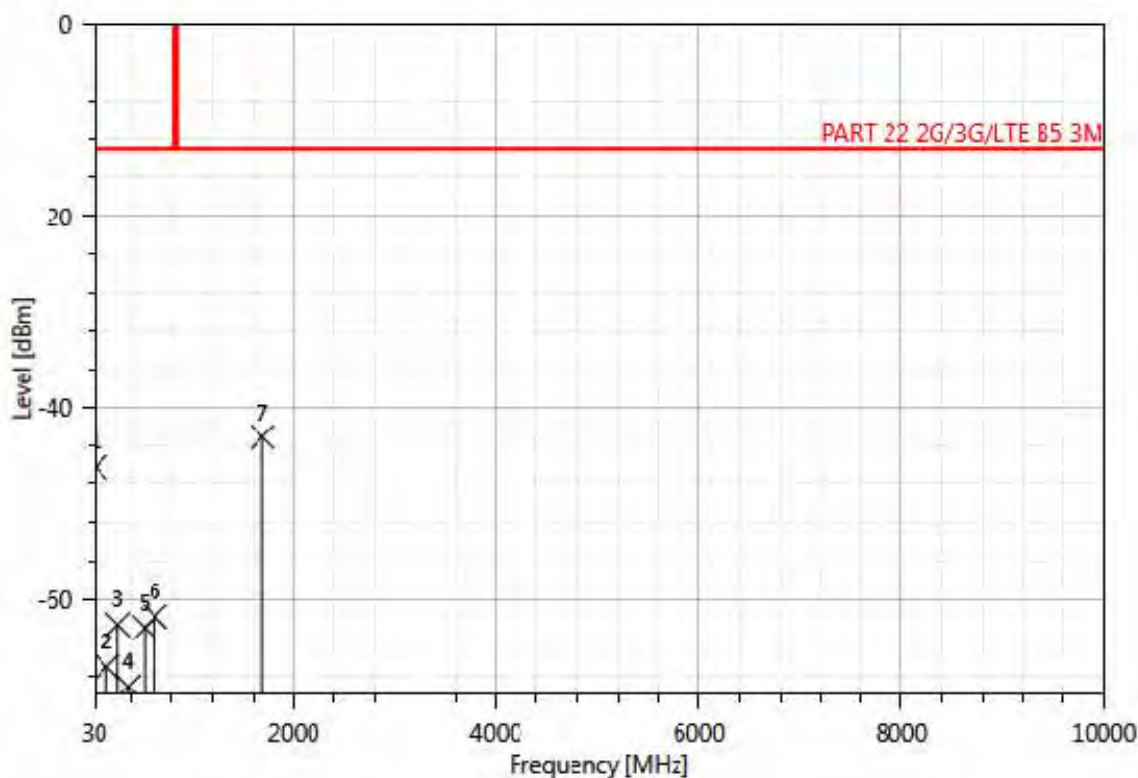
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Operation Mode : WCDMA B5 Test Date : 12/23/2016 23:47:11
Fundamental Frequency : 846.6 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. 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	-46.15	-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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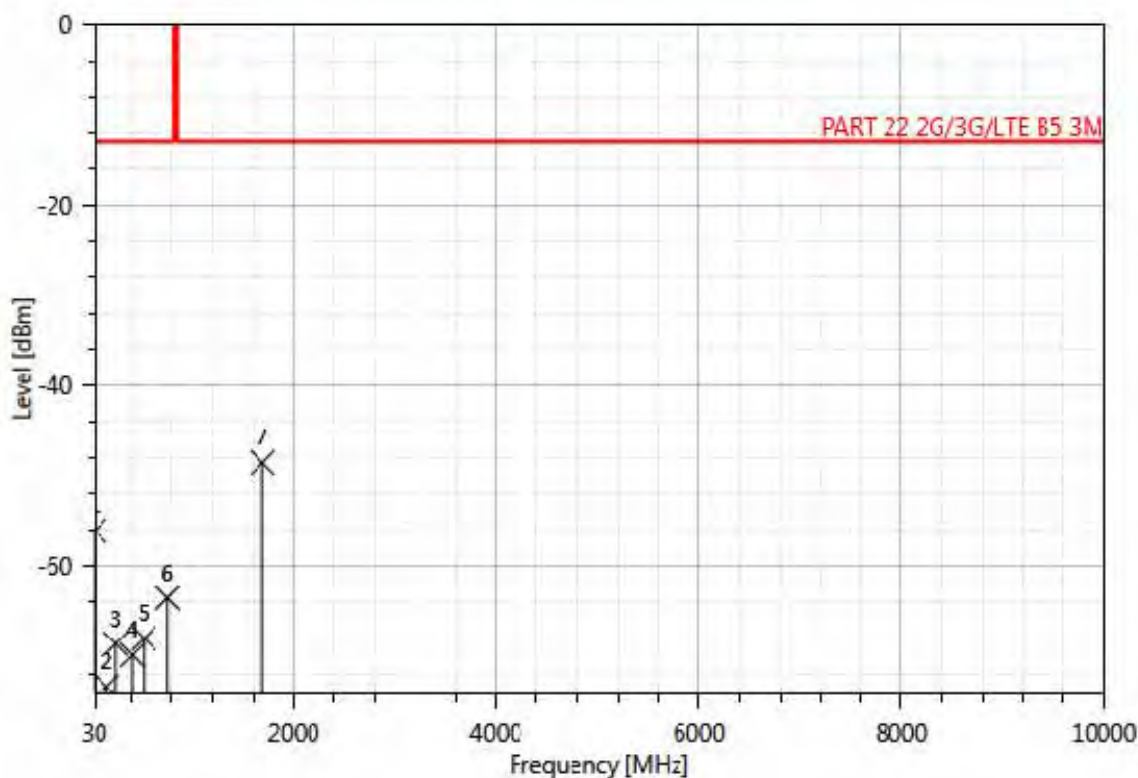
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Operation Mode :	WCDMA B5	Test Date :	12/23/2016 23:47:14
Fundamental Frequency :	846.6 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



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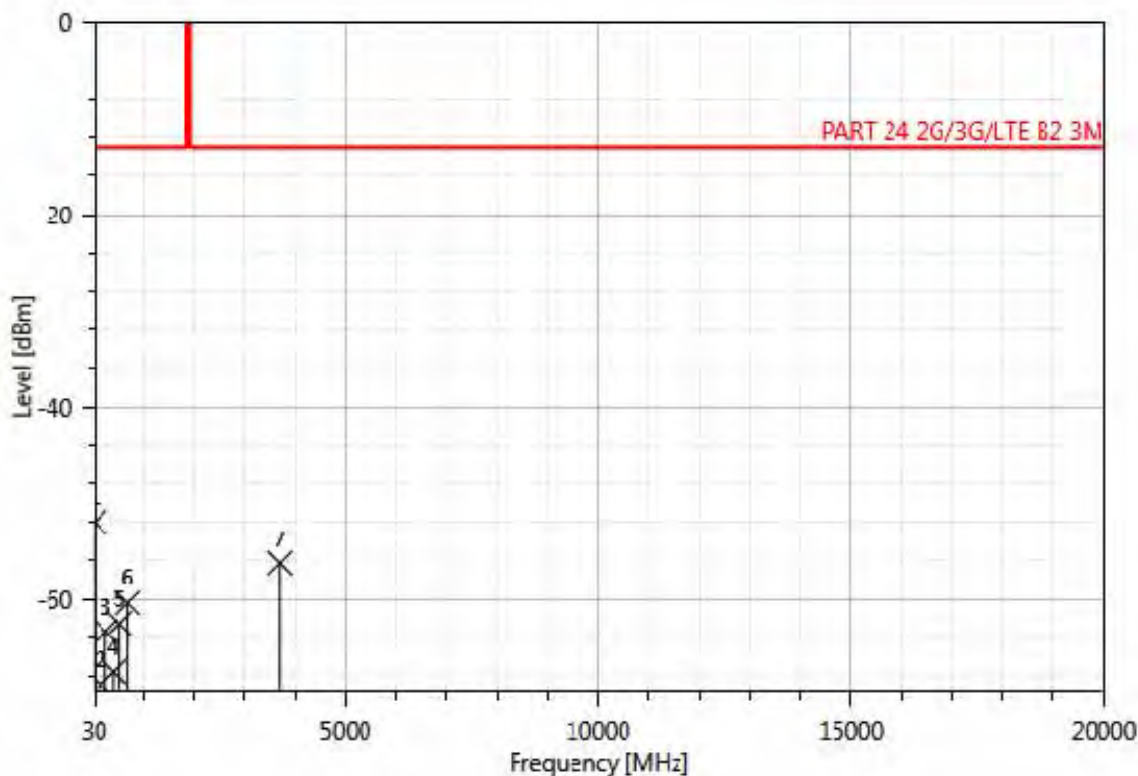
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Radiated Spurious Emission Measurement Result: LTE-Band 2 (The Worst Case)

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.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	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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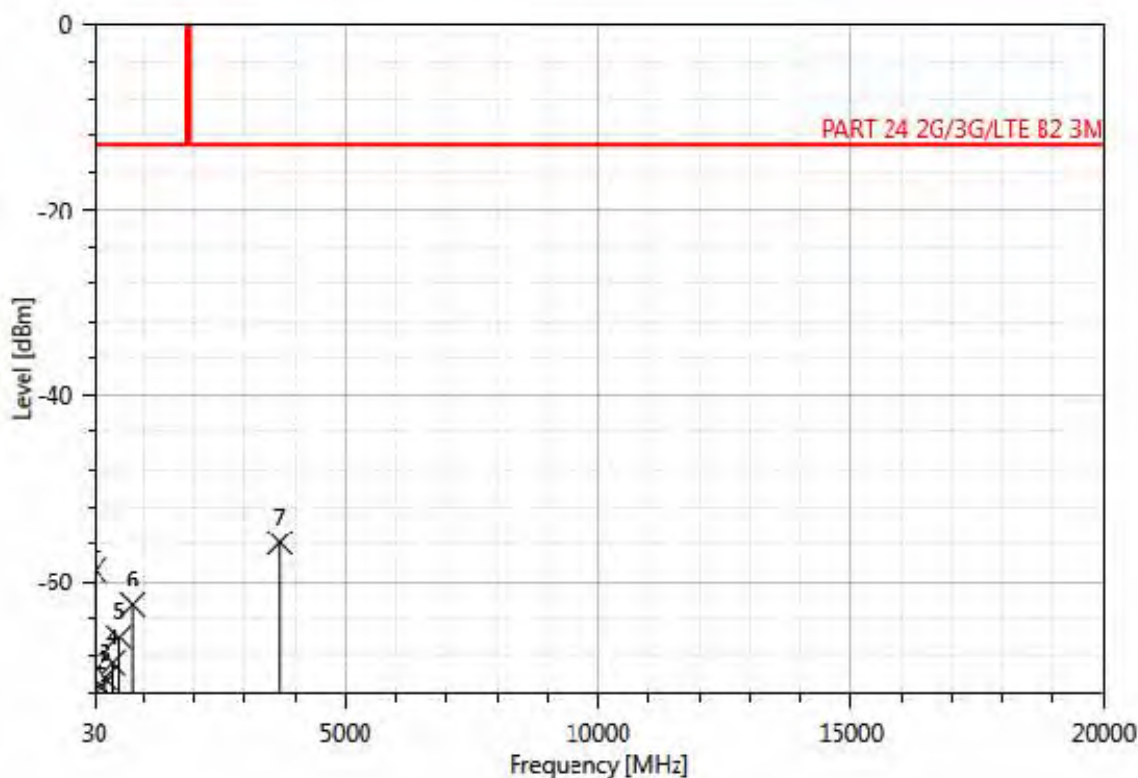
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Operation Mode : LTE B2 Test Date : 12/22/2016
Fundamental Frequency : 1852.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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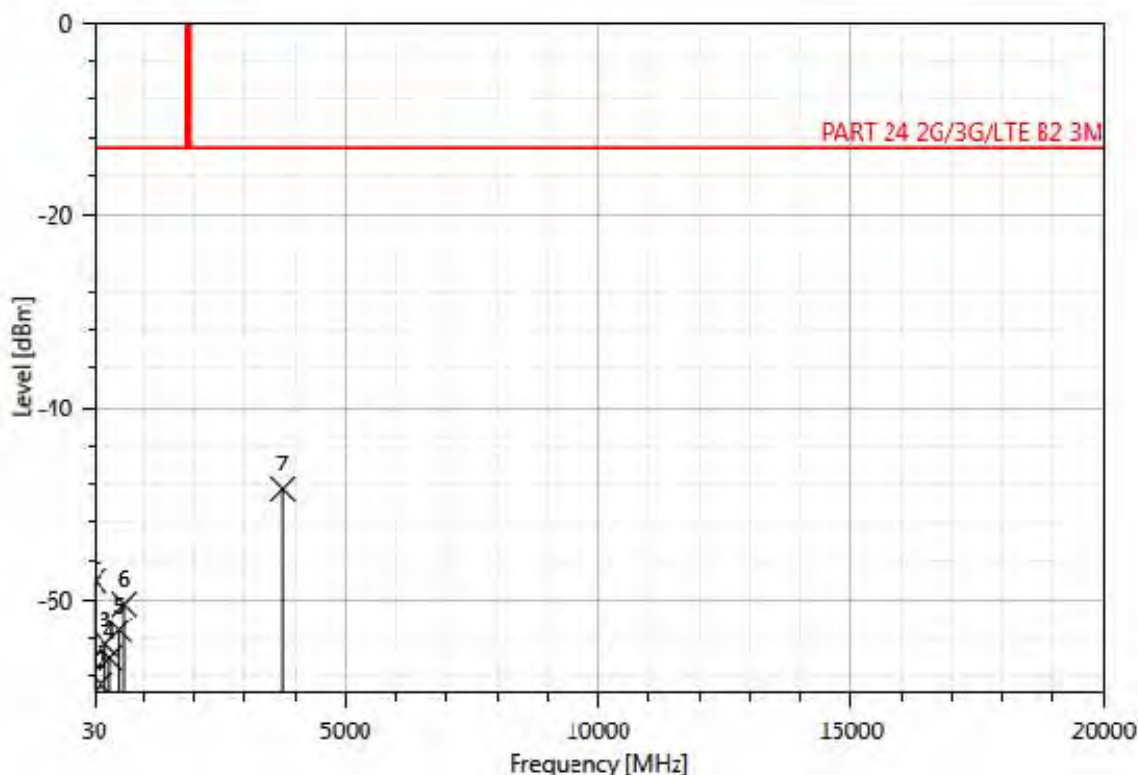
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Operation Mode : LTE B2 Test Date : 12/22/2016
Fundamental Frequency : 1880.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	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

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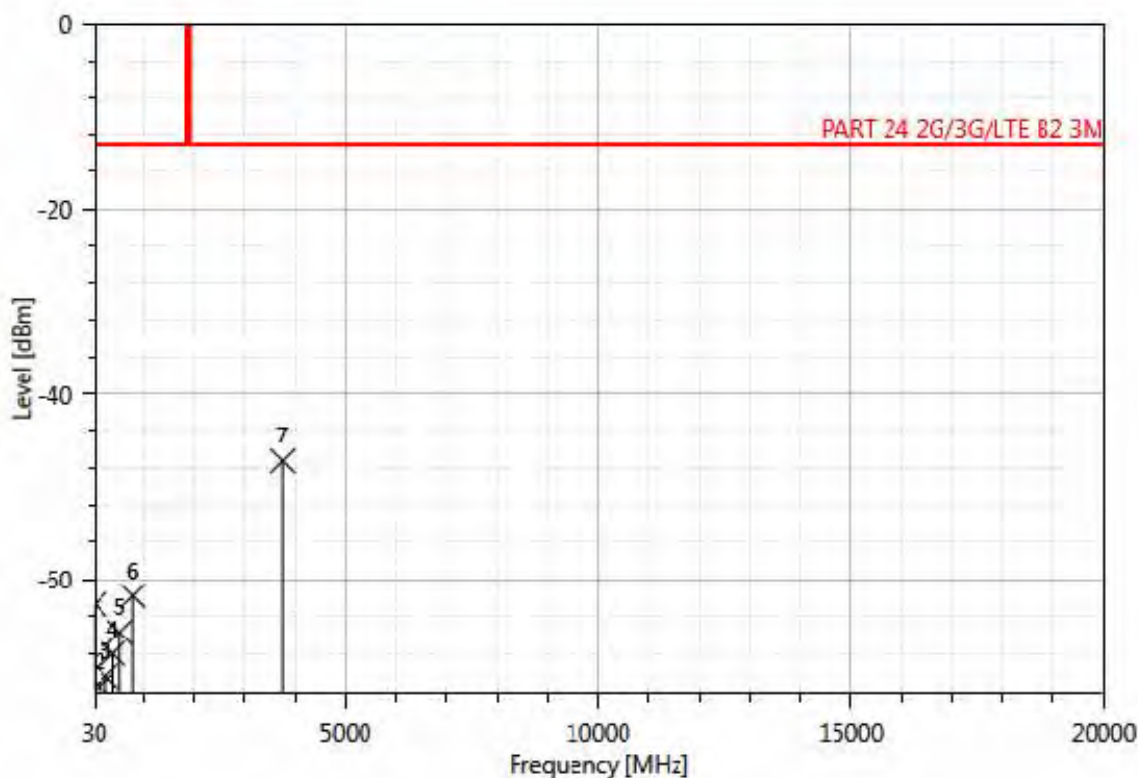
t (886-2) 2299-3279

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.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	
		QP/AV/PK	dBm	dBm	dBi	dB	dBm	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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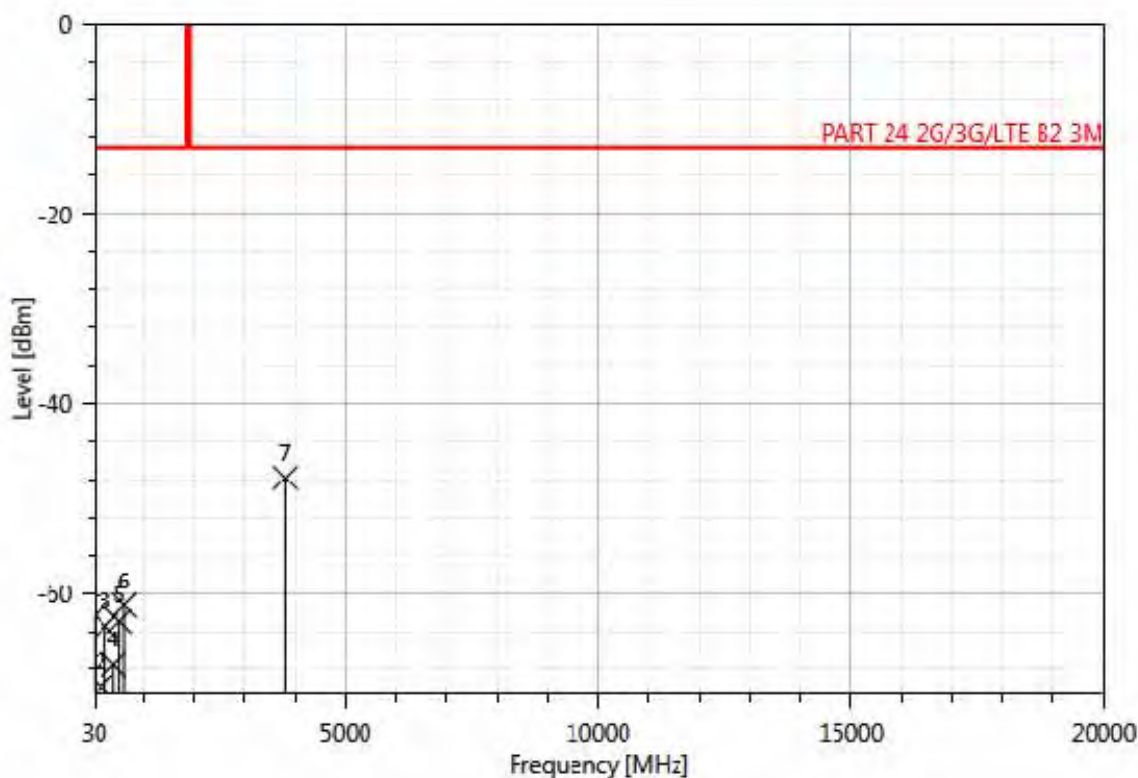
t (886-2) 2299-3279

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.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	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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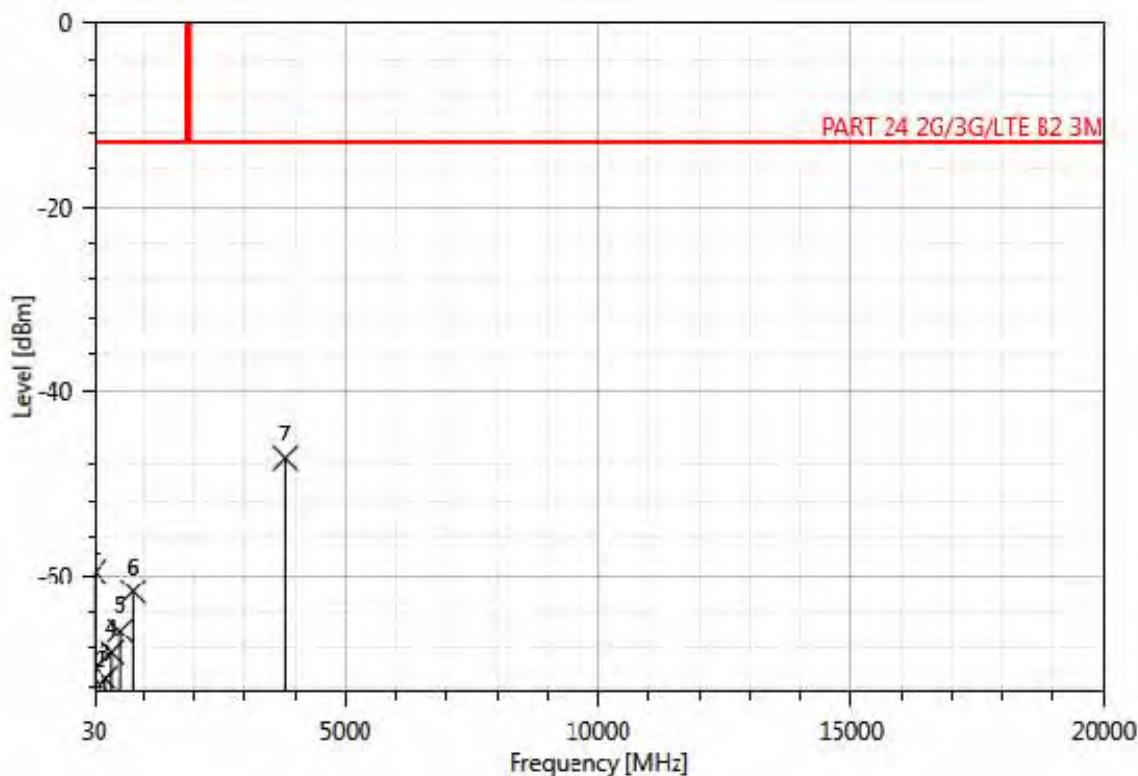
t (886-2) 2299-3279

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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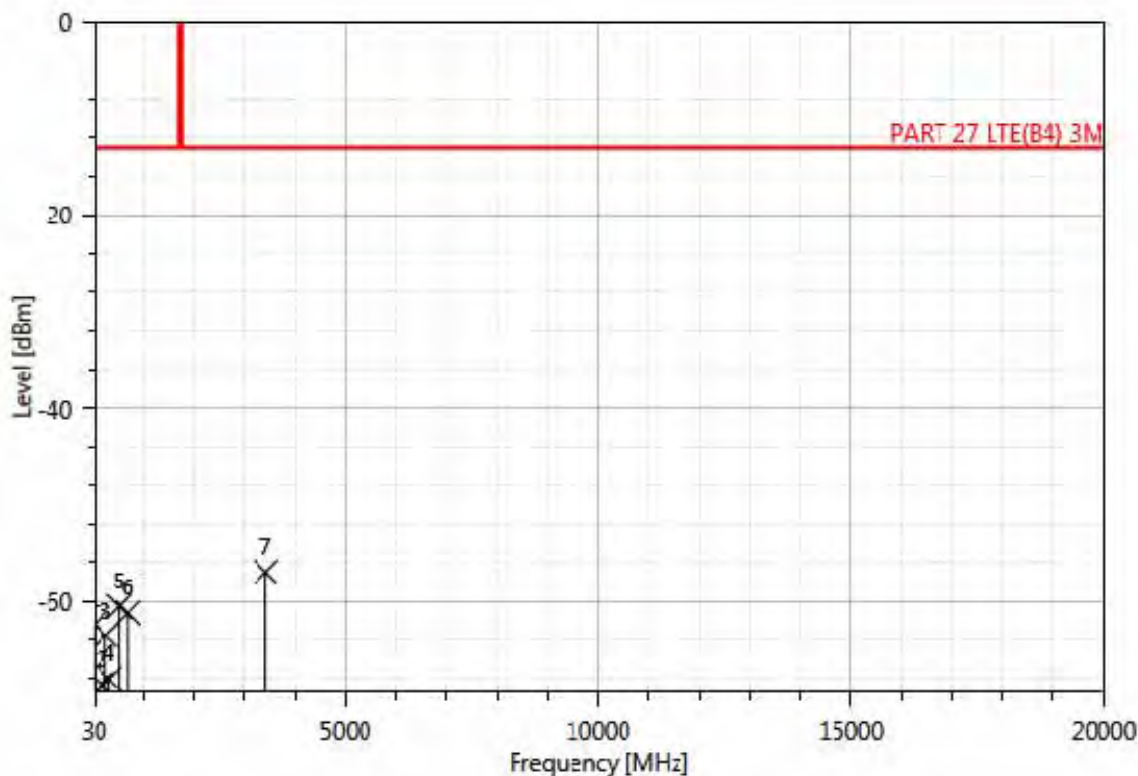
f (886-2) 2298-0488

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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.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	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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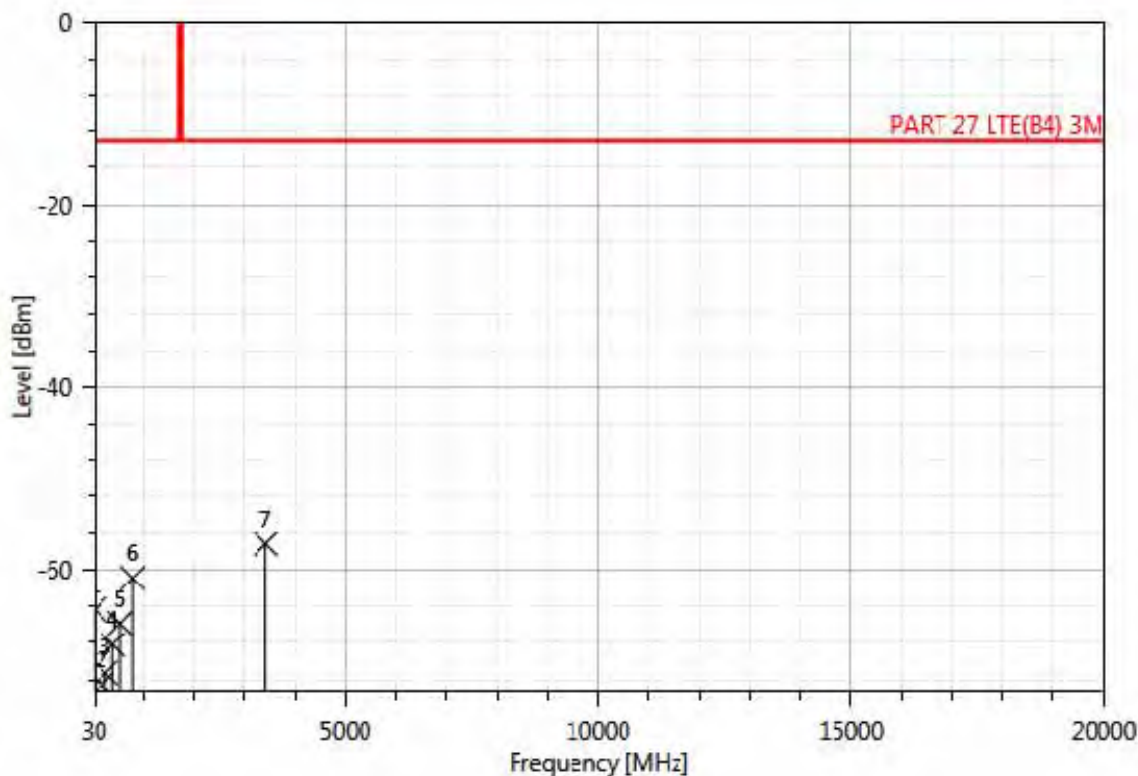
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f (886-2) 2298-0488

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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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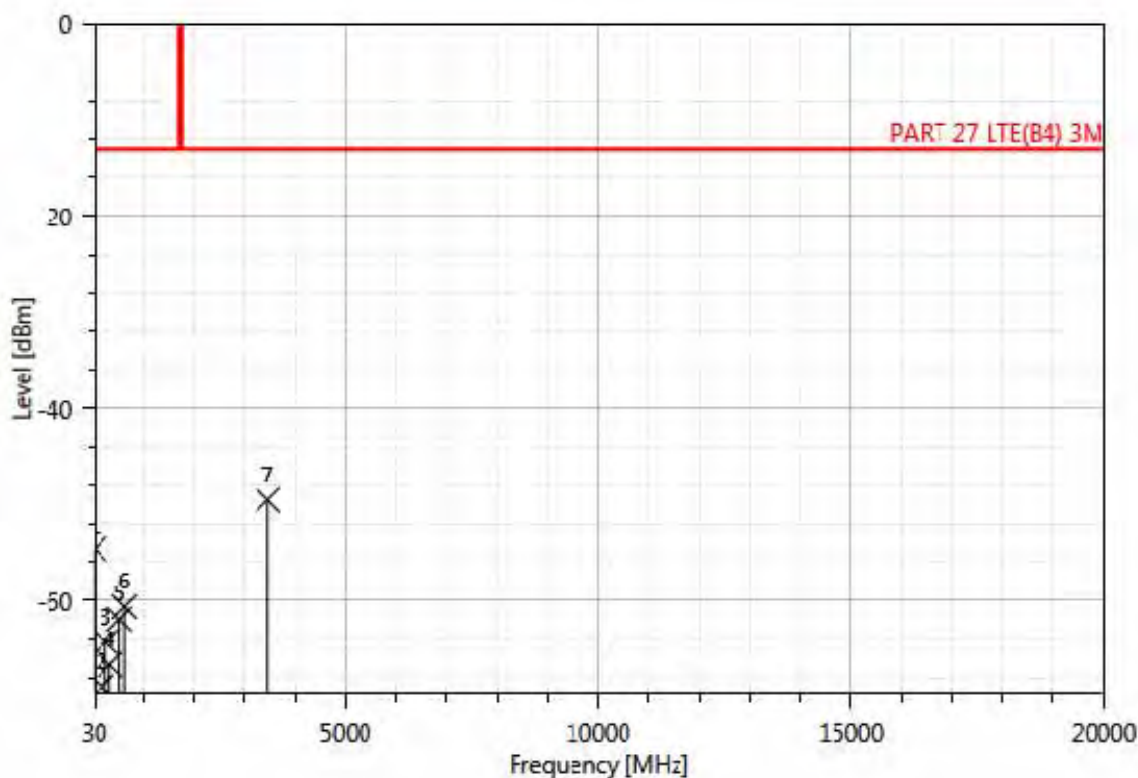
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f (886-2) 2298-0488

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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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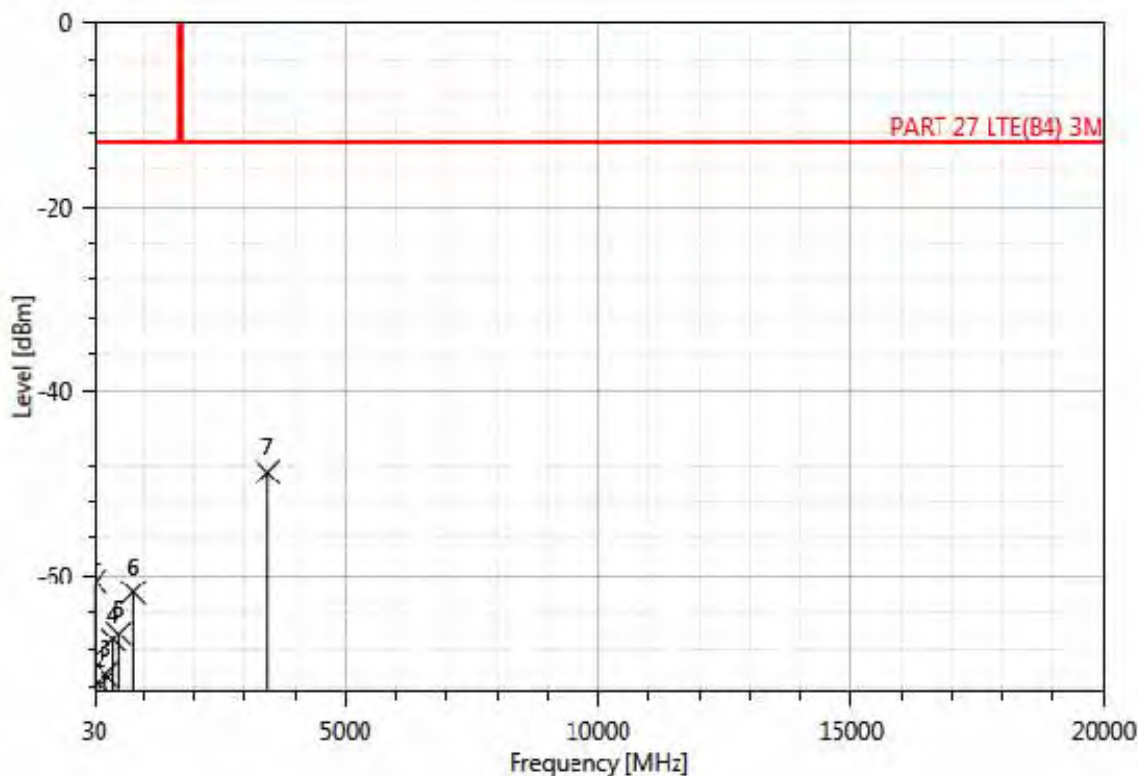
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f (886-2) 2298-0488

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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. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	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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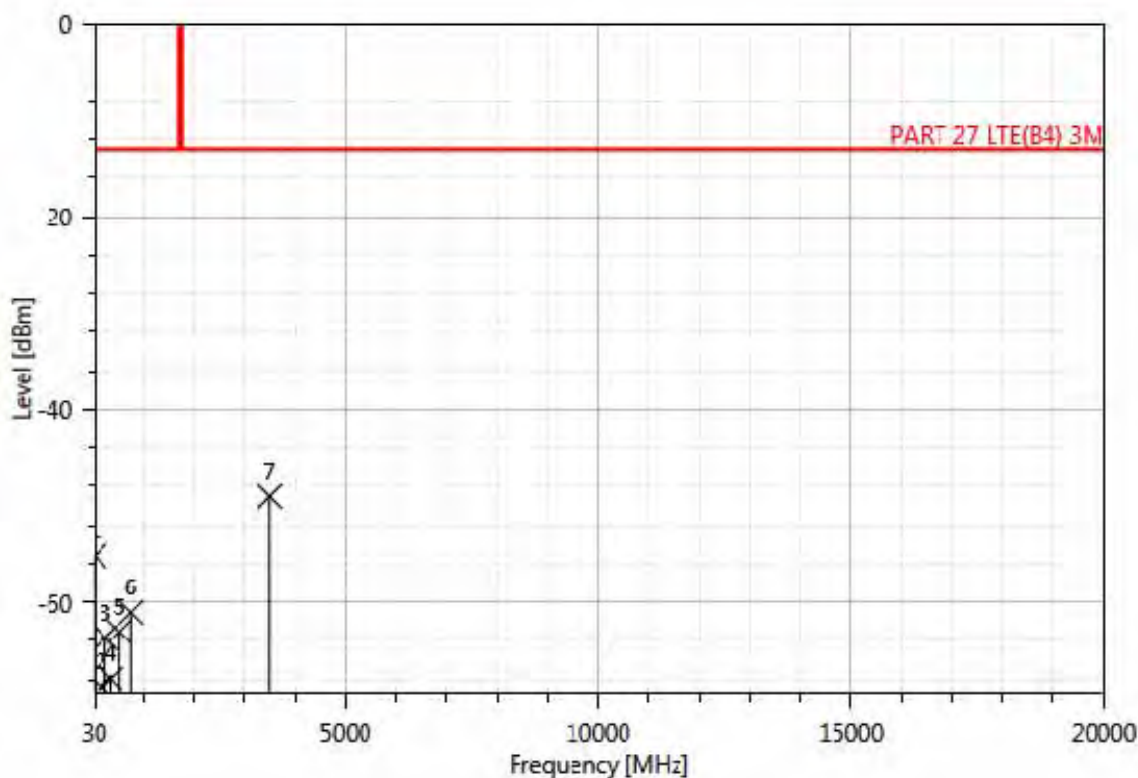
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Operation Mode : LTE B4 Test Date : 12/22/2016
Fundamental Frequency : 1753.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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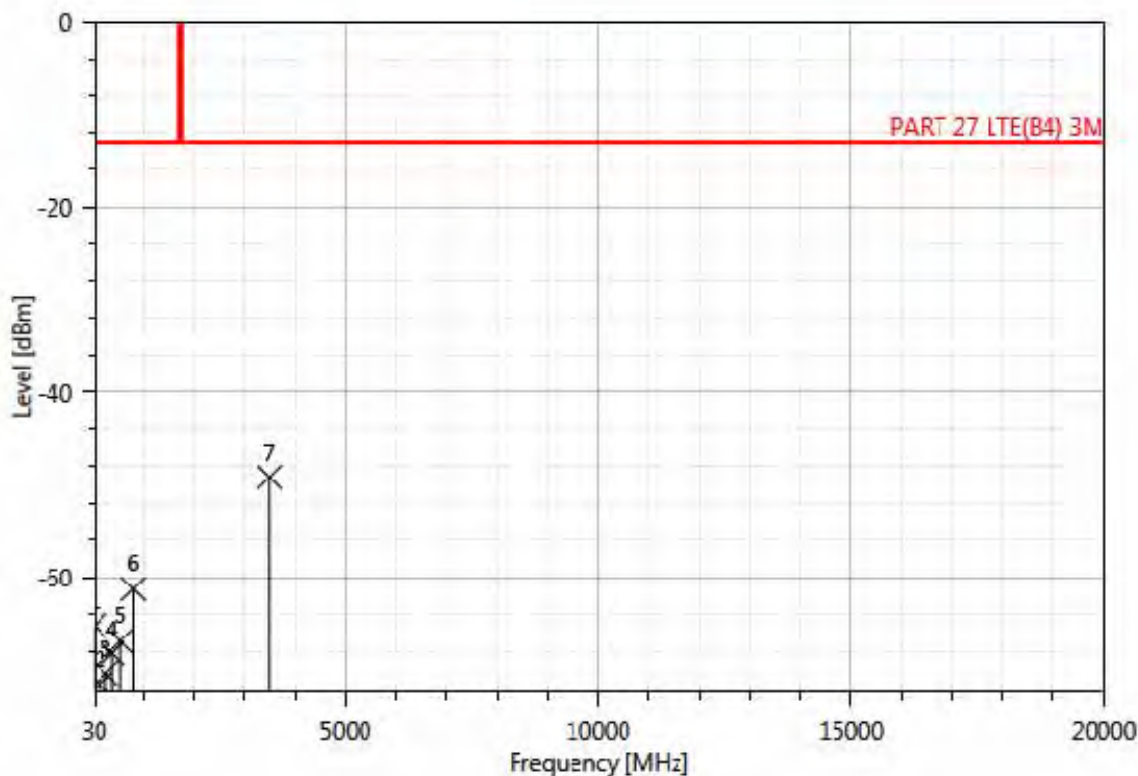
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Operation Mode :	LTE B4	Test Date :	12/22/2016
Fundamental Frequency :	1753.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	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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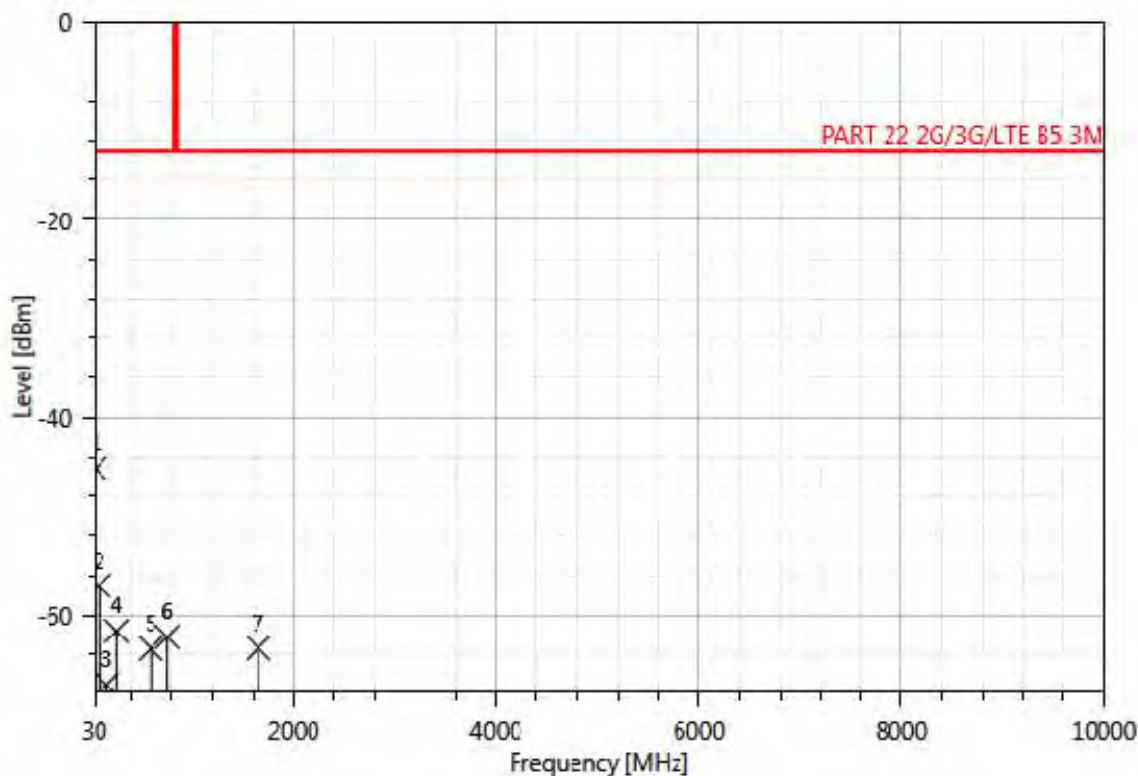
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Radiated Spurious Emission Measurement Result: LTE-Band 5 (The Worst Case)

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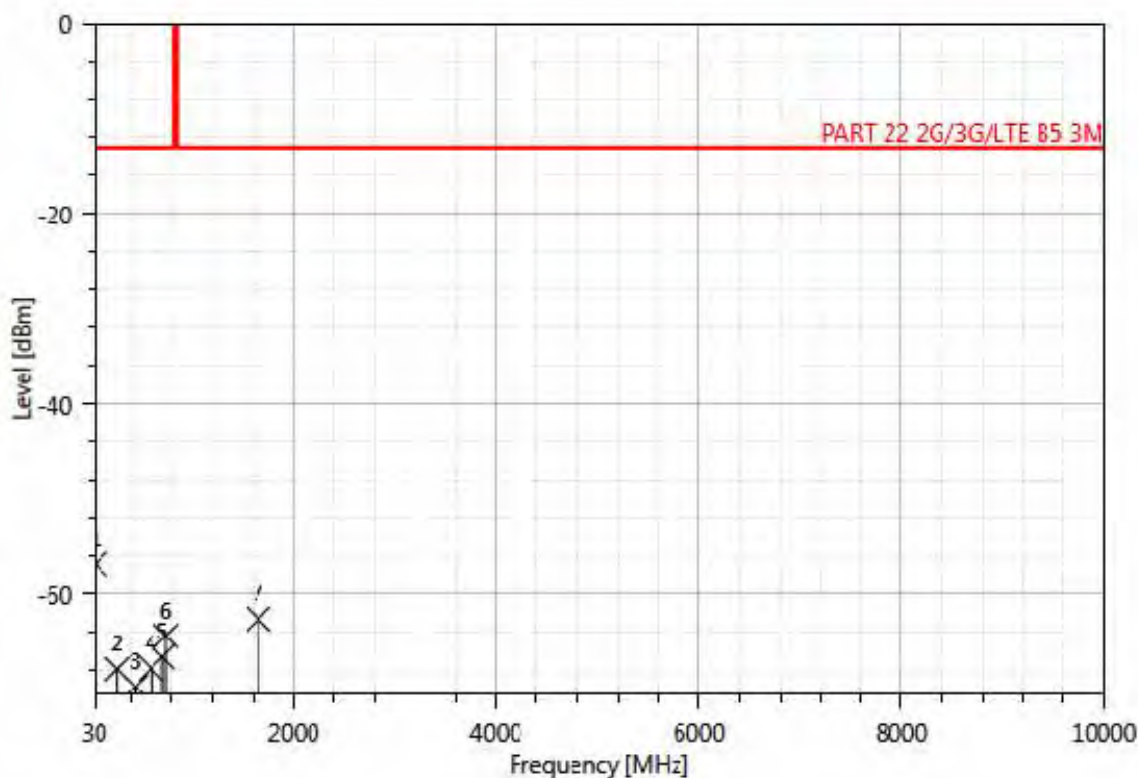
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 825.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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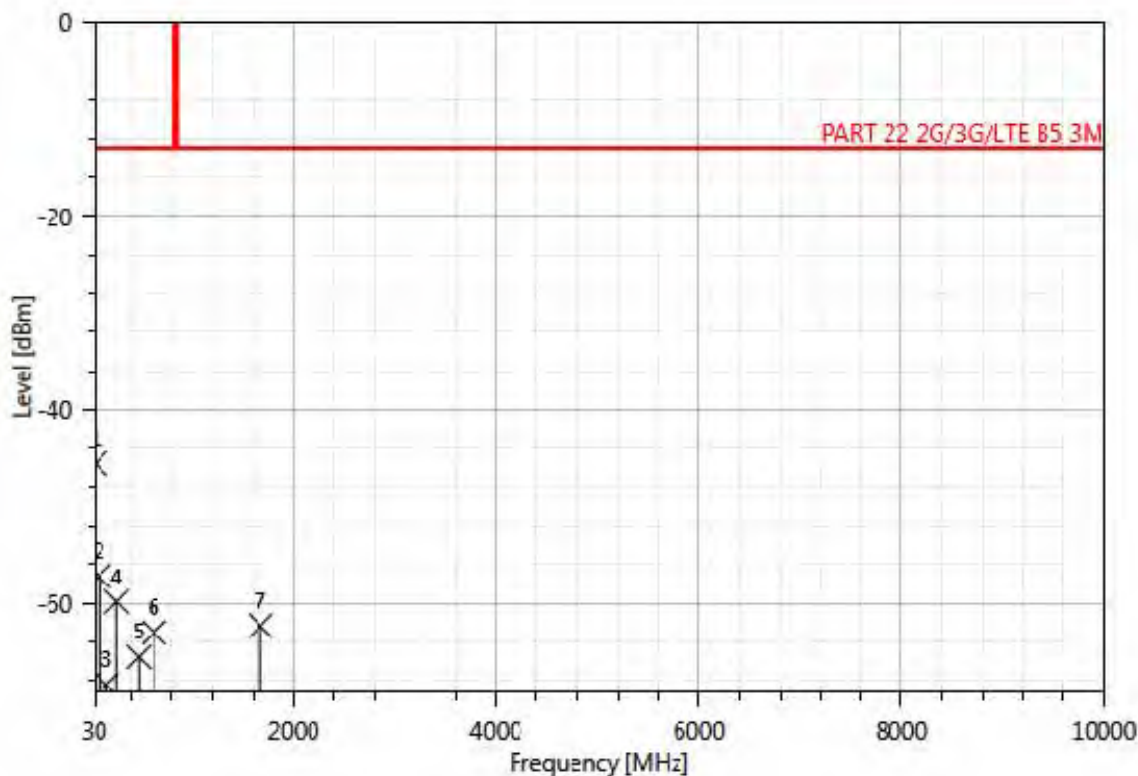
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 836.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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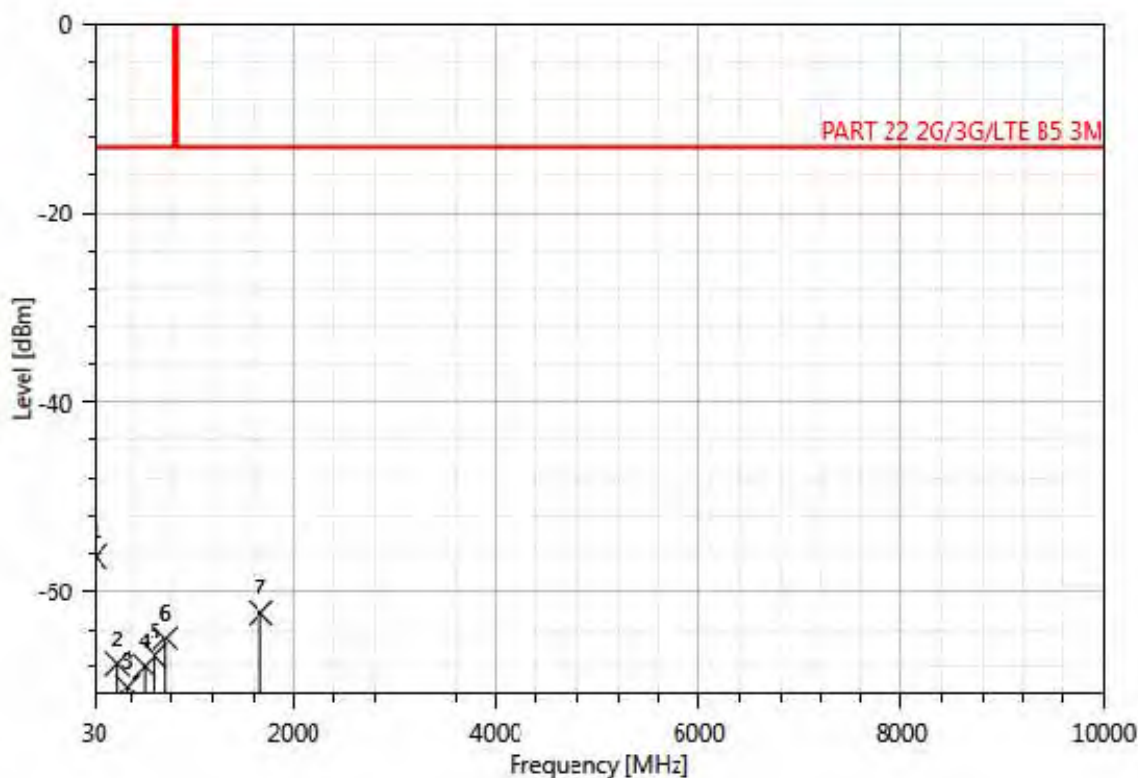
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 836.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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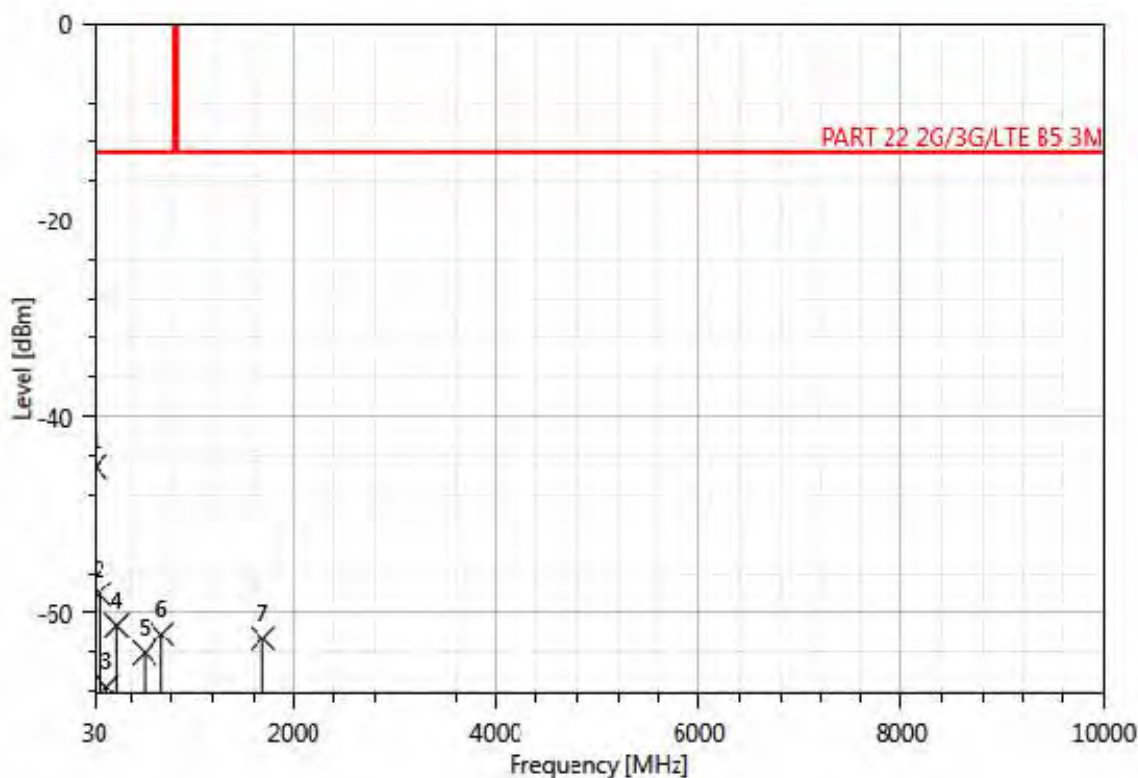
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 847.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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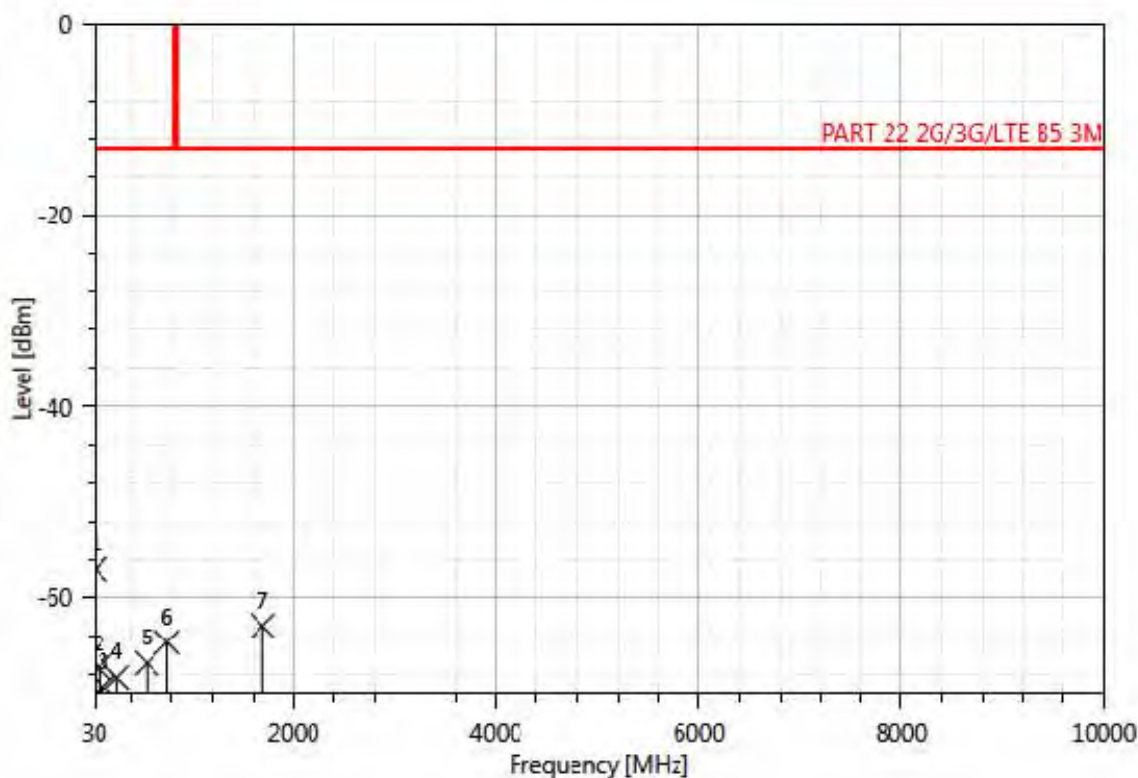
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Operation Mode : LTE B5 Test Date : 12/22/2016
Fundamental Frequency : 847.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq. 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	-56.98	-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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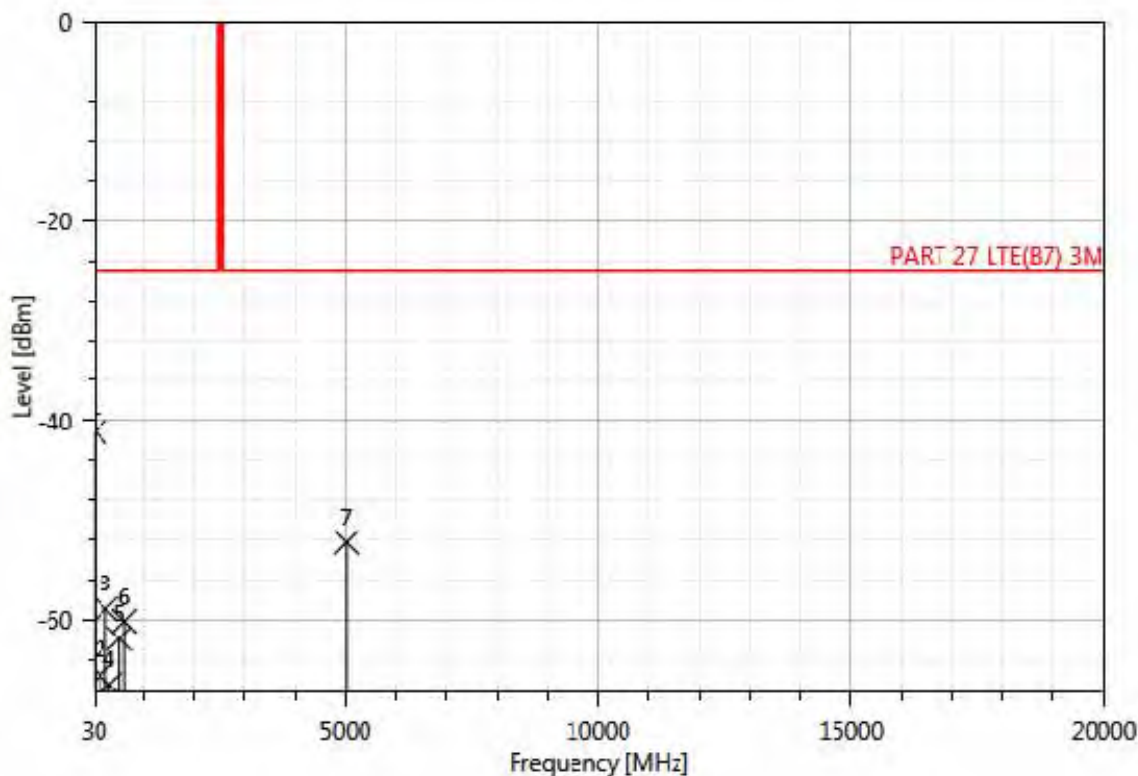
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Radiated Spurious Emission Measurement Result: LTE-Band 7 (The Worst Case)

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.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	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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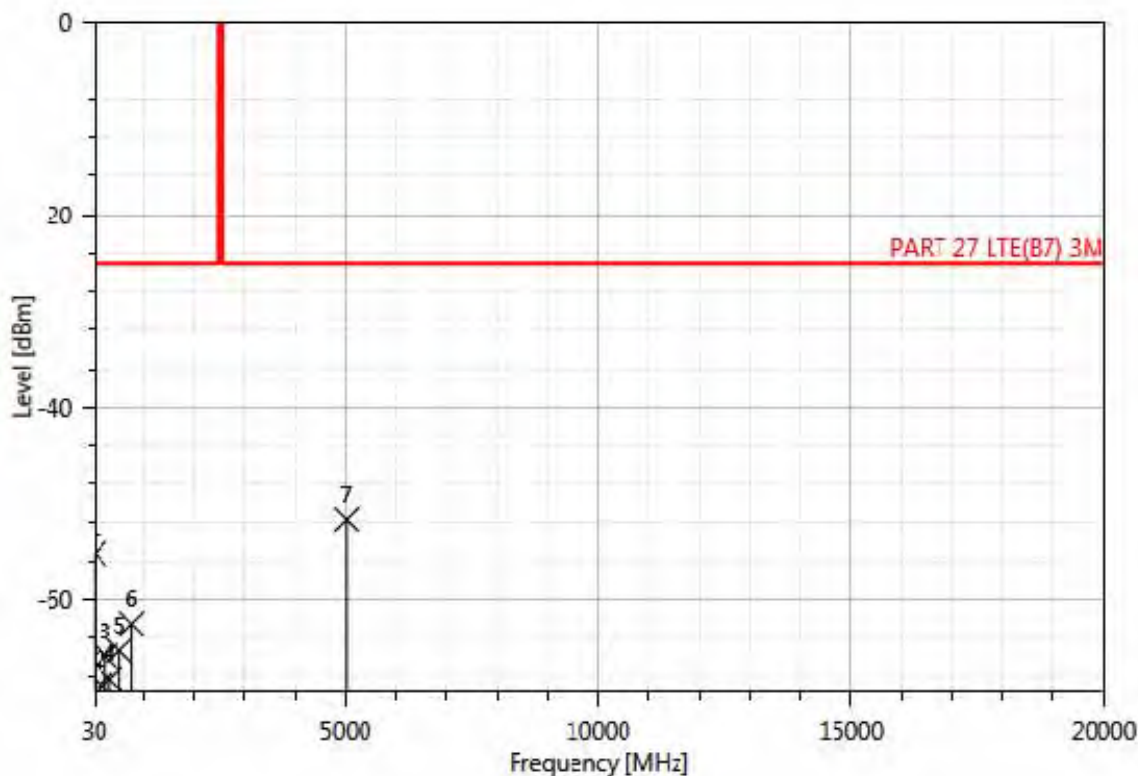
t (886-2) 2299-3279

f (886-2) 2298-0488

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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

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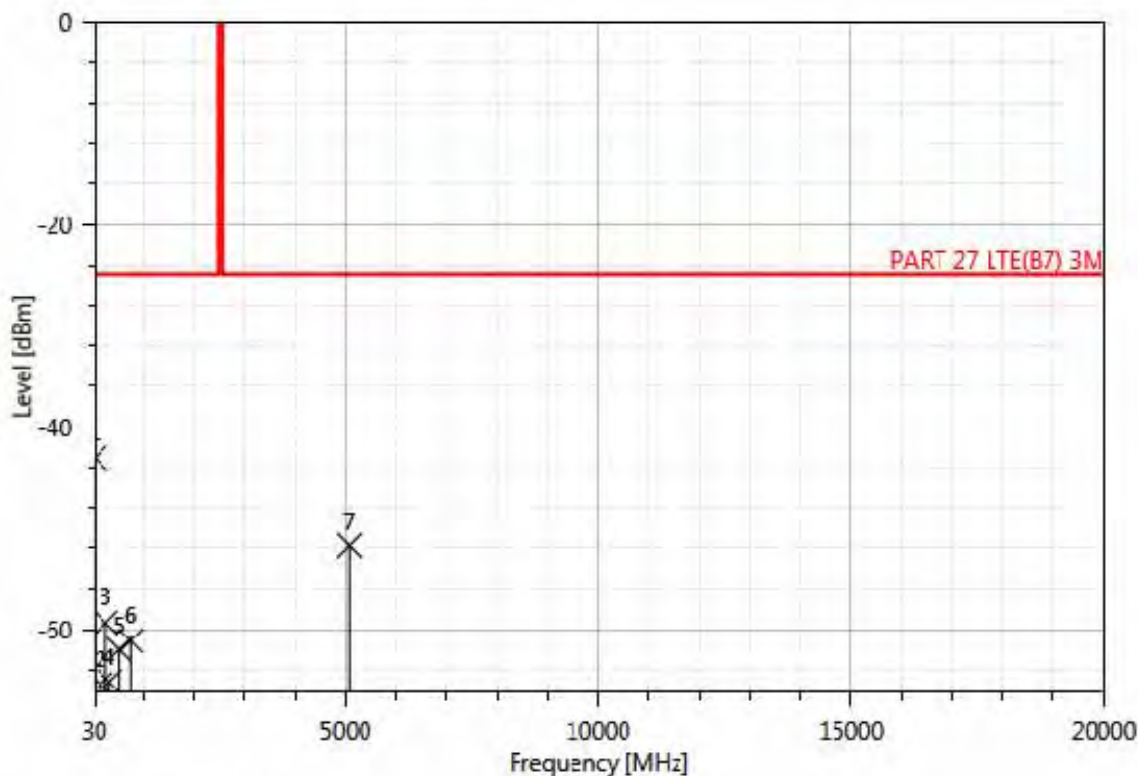
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f (886-2) 2298-0488

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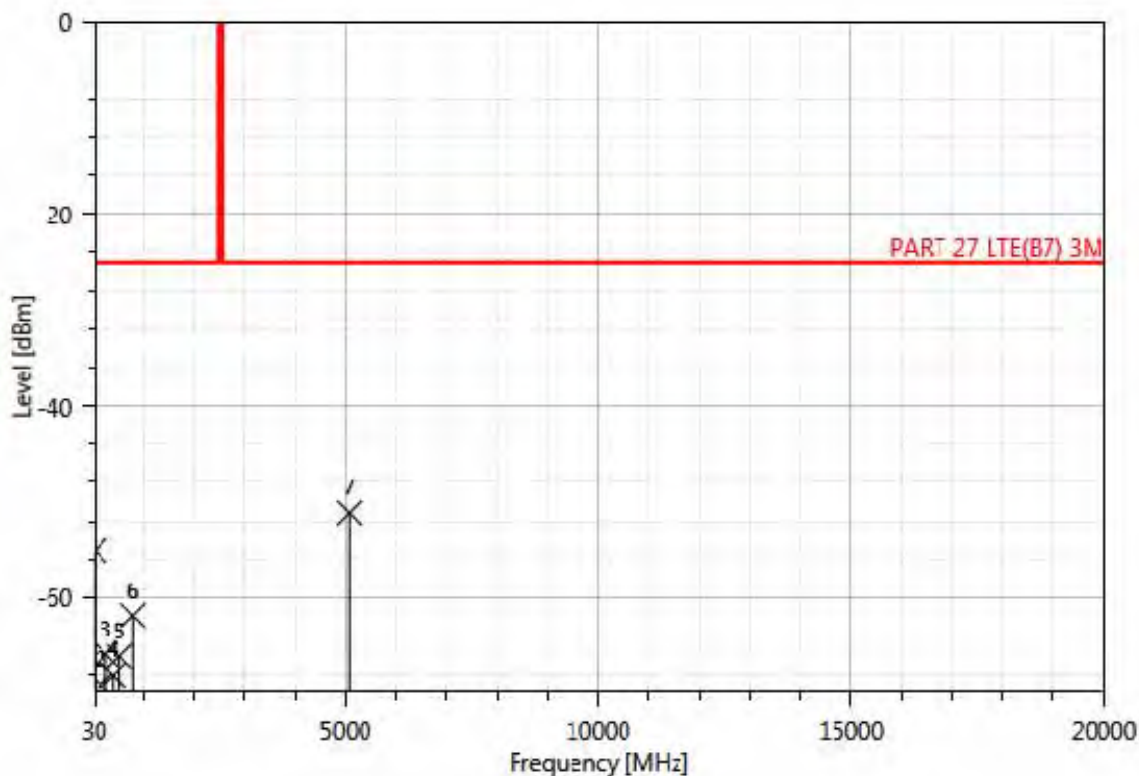
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Operation Mode : LTE B7 Test Date : 12/22/2016
Fundamental Frequency : 2535 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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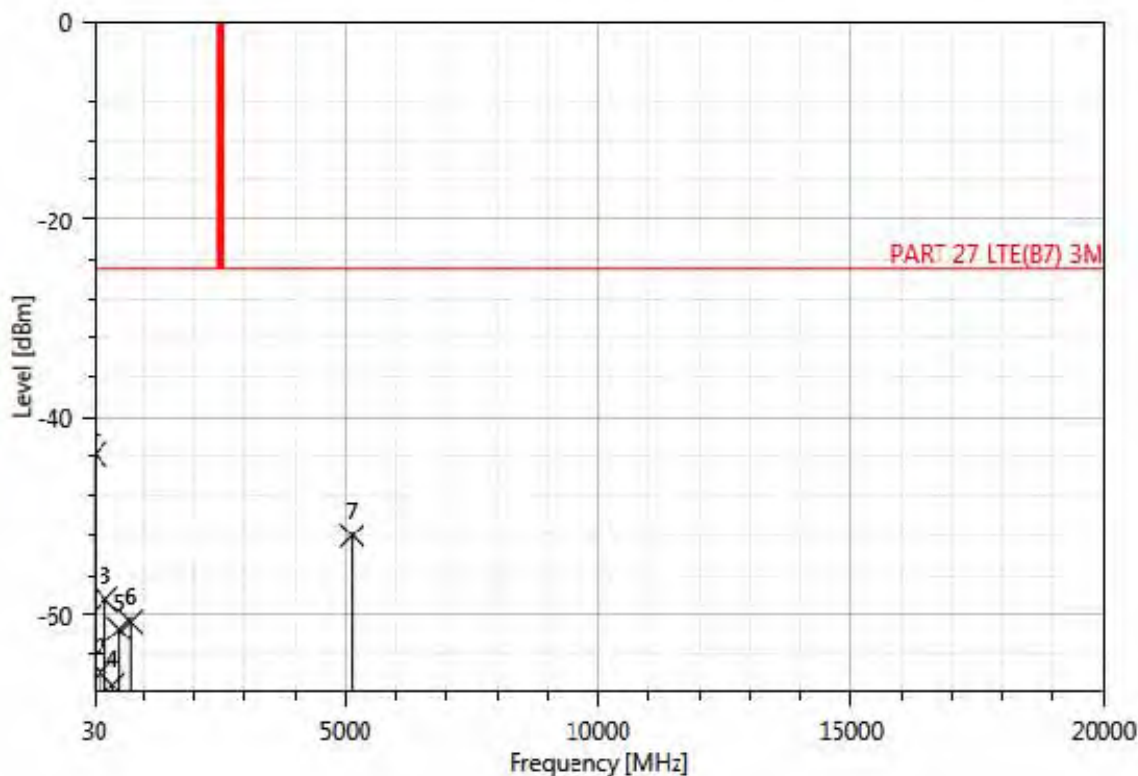
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Operation Mode :	LTE B7	Test Date :	12/22/2016
Fundamental Frequency :	2562.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	Note	Decetor	EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	QP/AV/PK	Level dBm	Level dBm	Gain dBi	Loss dB	@3m dBm	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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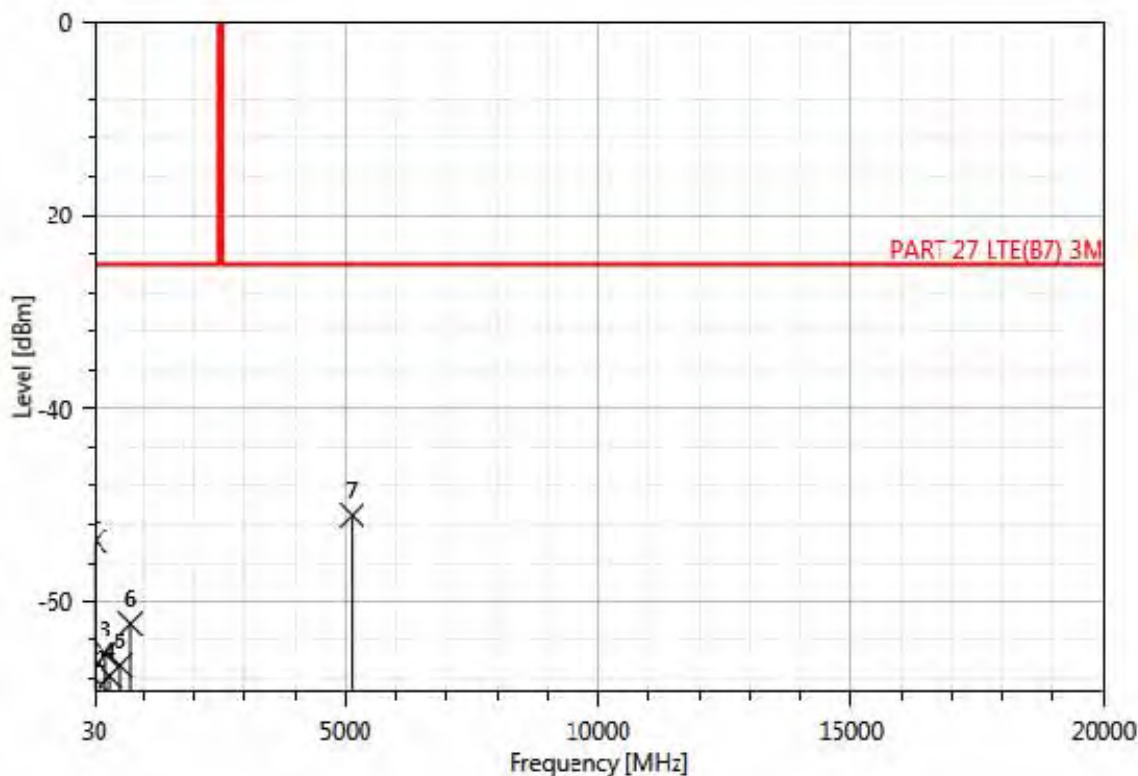
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Operation Mode : LTE B7 Test Date : 12/22/2016
Fundamental Frequency : 2562.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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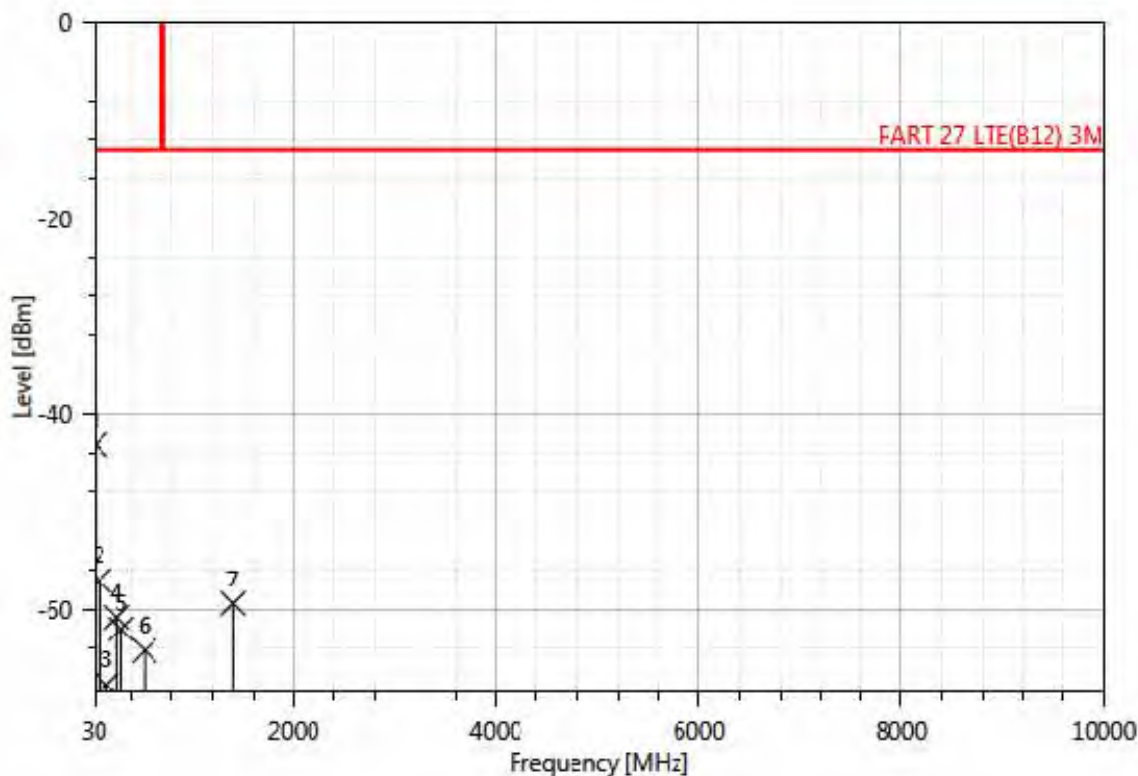
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Radiated Spurious Emission Measurement Result: LTE-Band 12 (The Worst Case)

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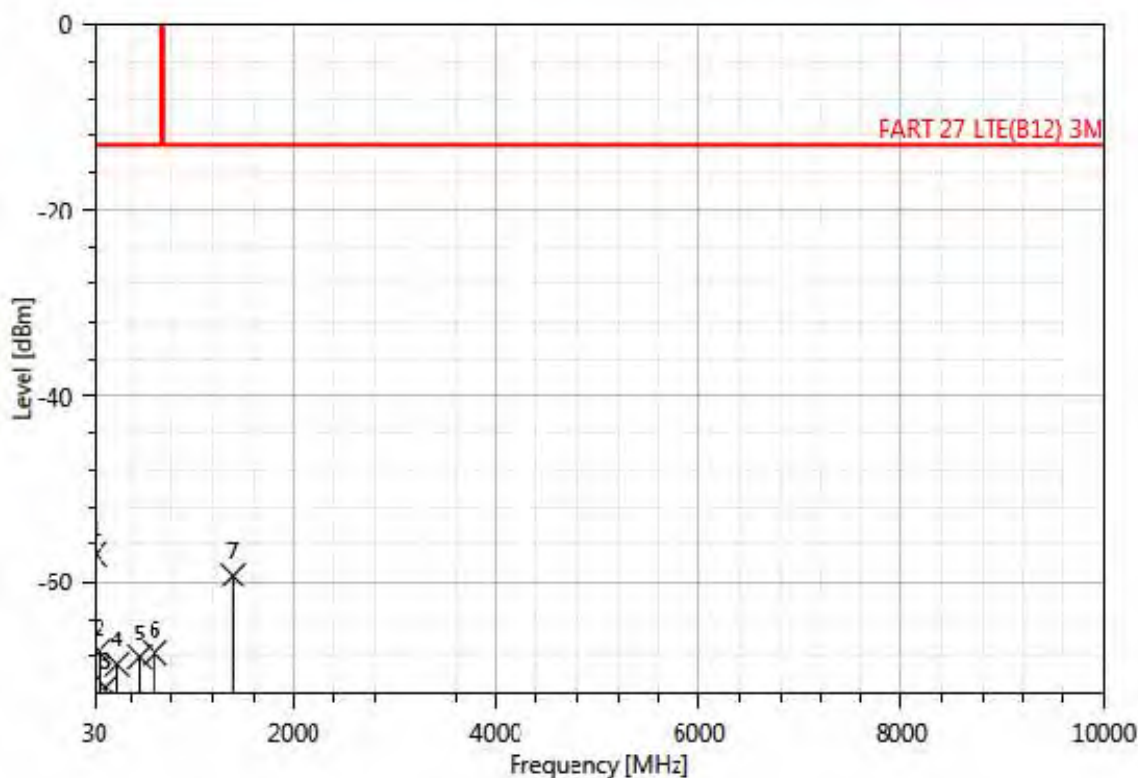
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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 700.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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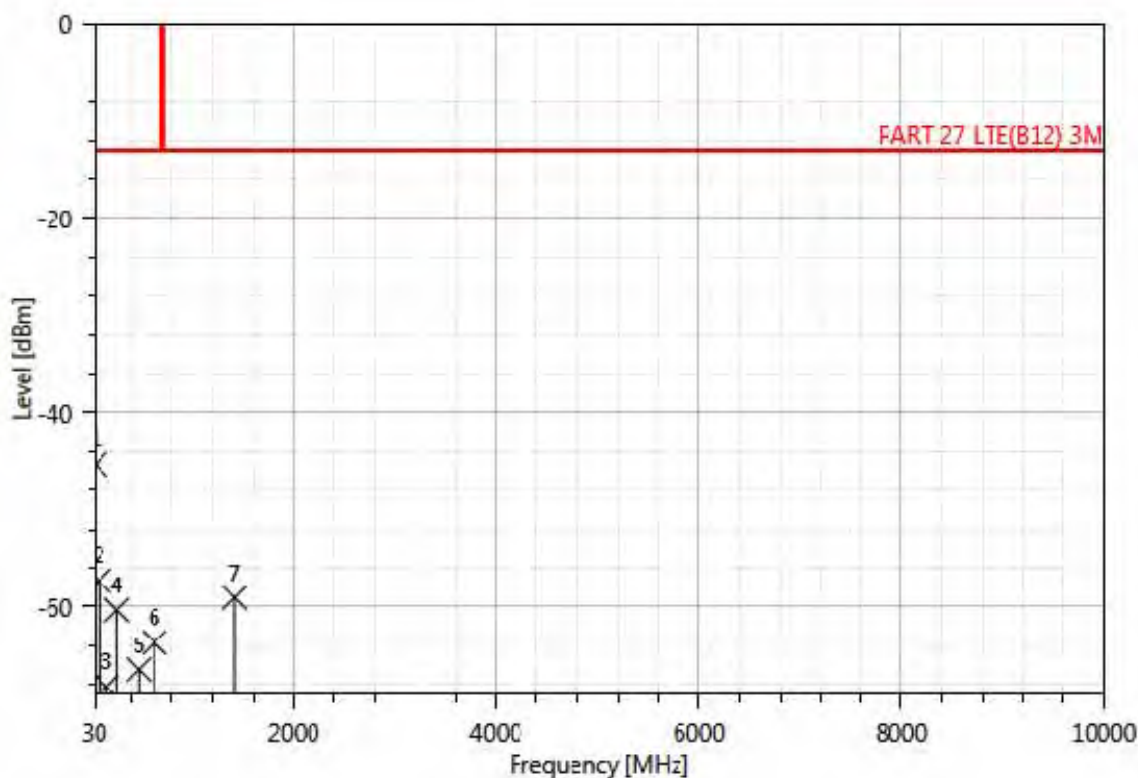
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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 707.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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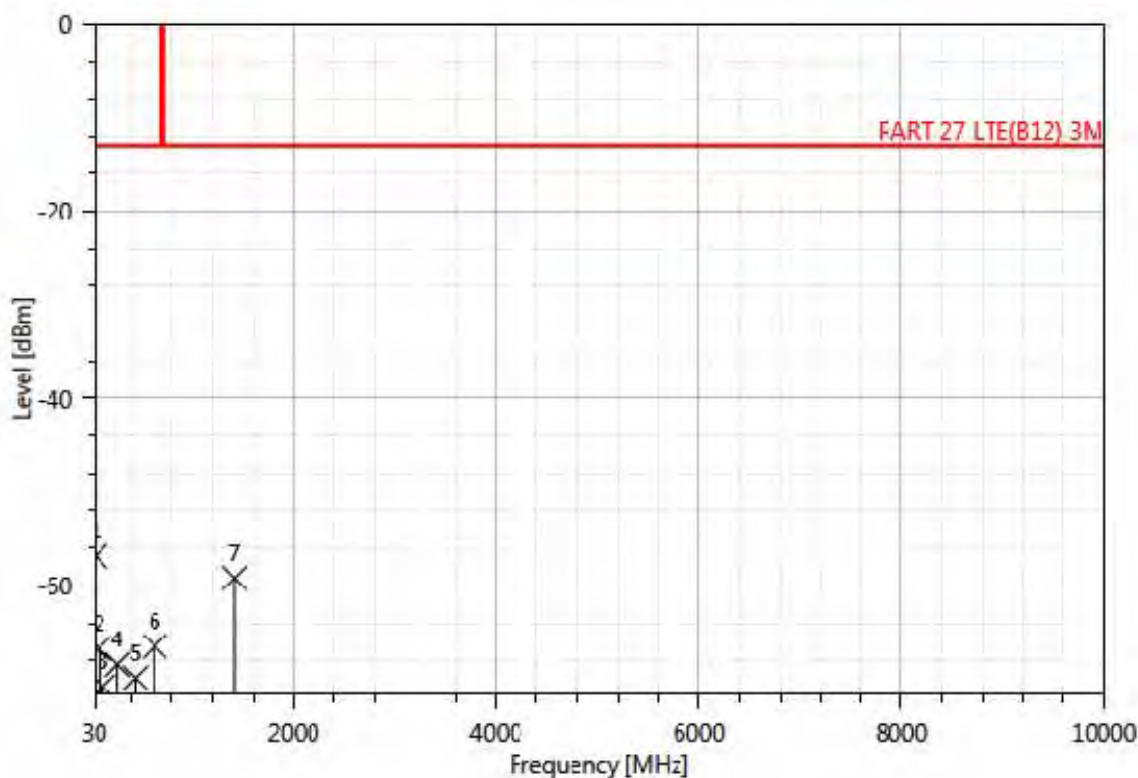
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Operation Mode : LTE B12 Test Date : 12/22/2016
Fundamental Frequency : 707.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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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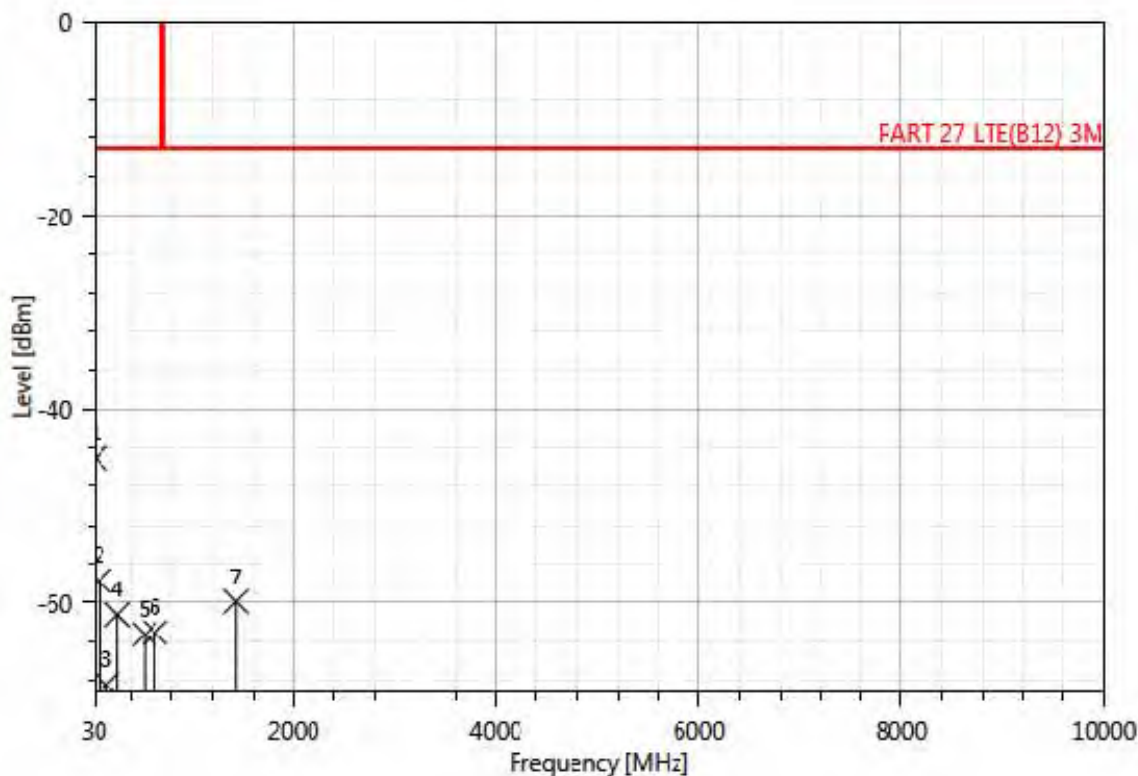
t (886-2) 2299-3279

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. : 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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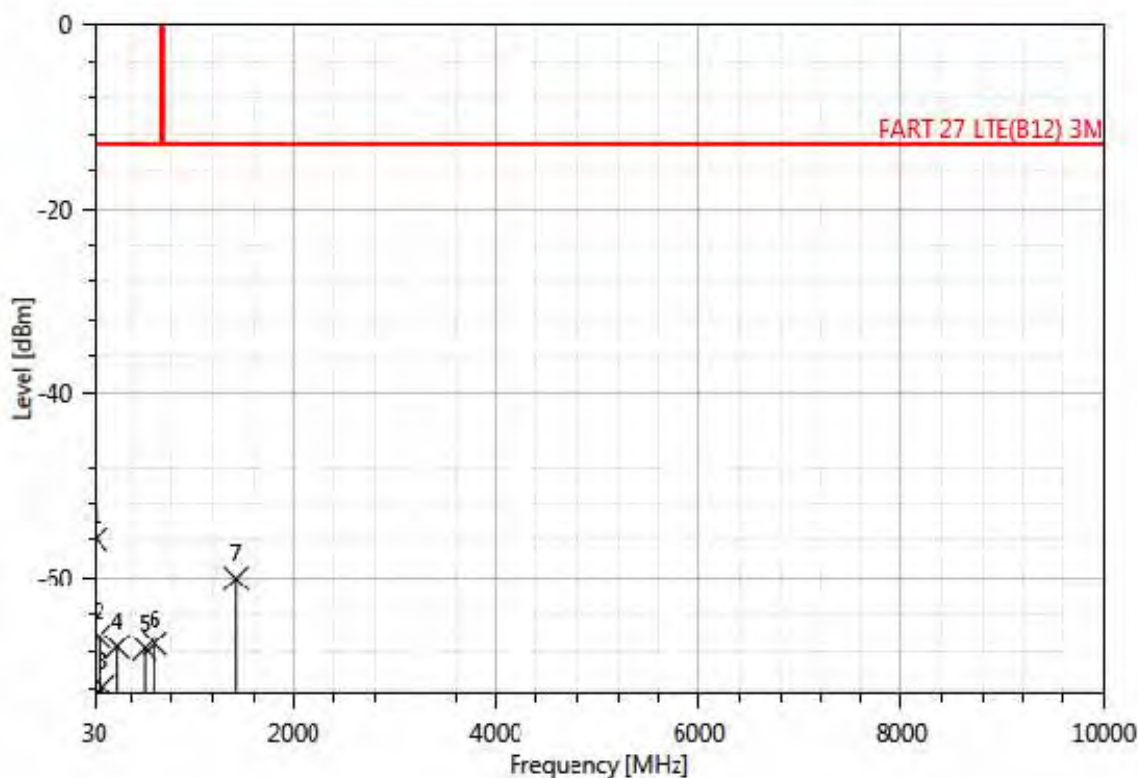
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f (886-2) 2298-0488

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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. : 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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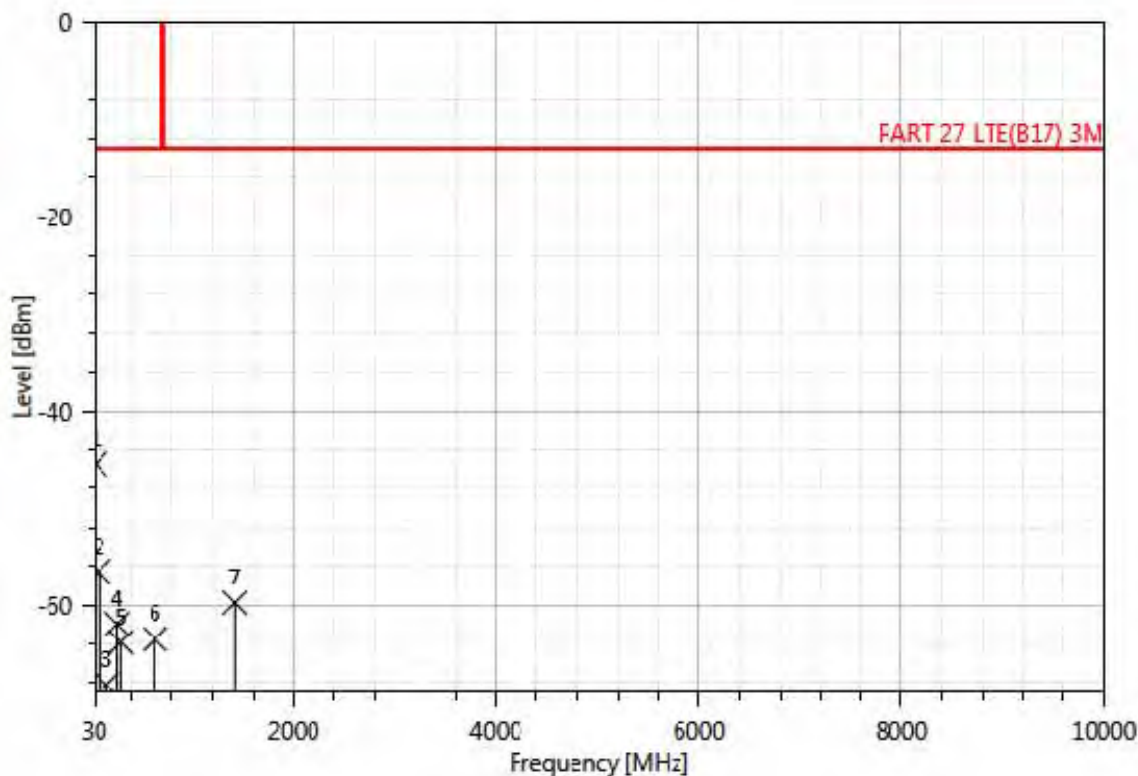
f (886-2) 2298-0488

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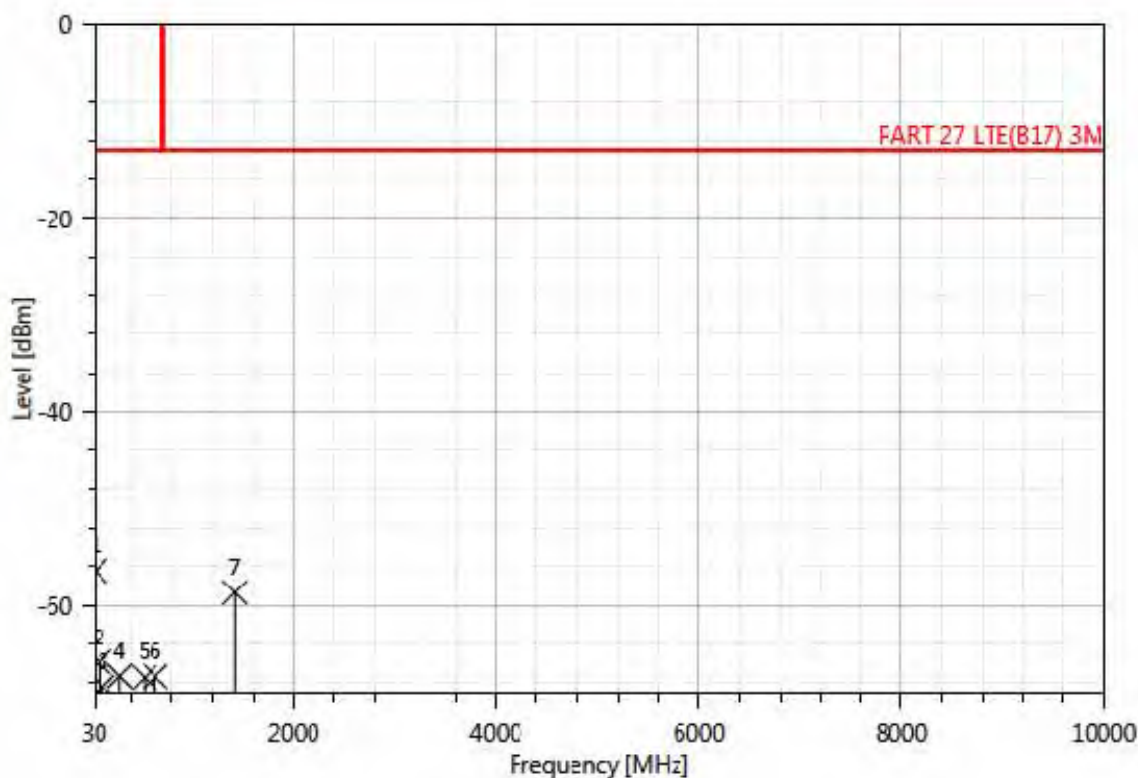
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Operation Mode : LTE B17 Test Date : 12/22/2016
Fundamental Frequency : 709.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



Freq.	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	-56.45	-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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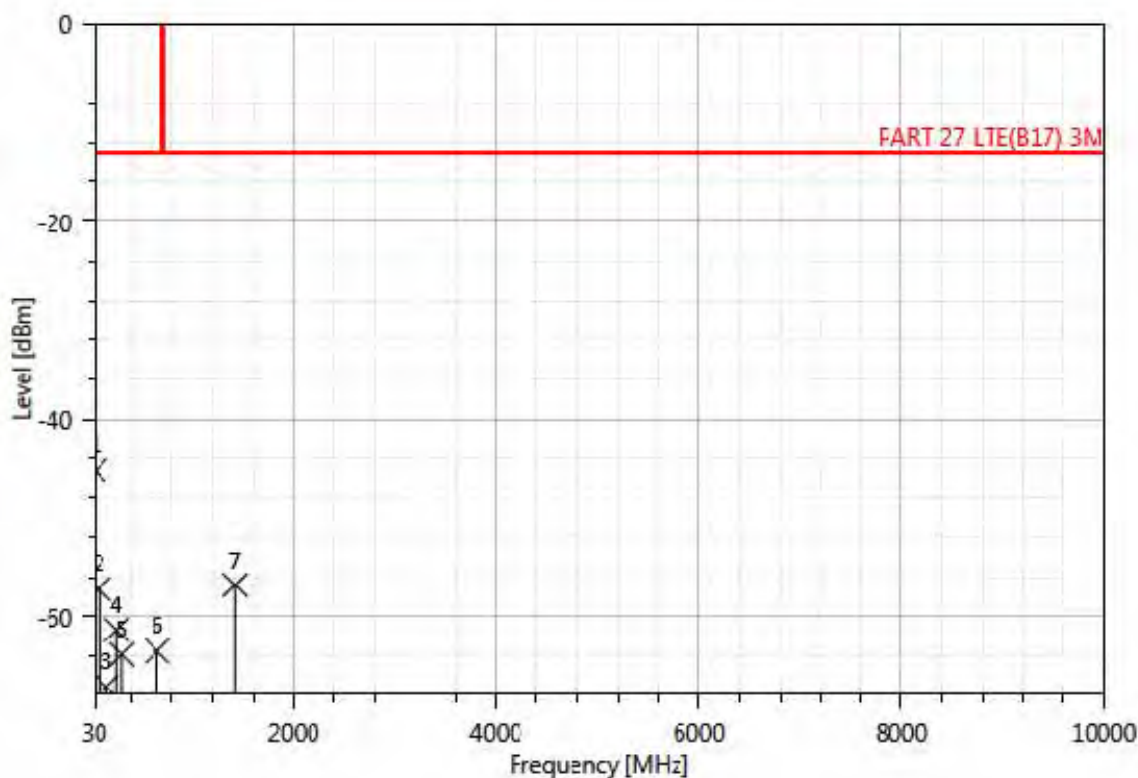
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Operation Mode :	LTE B17	Test Date :	12/22/2016
Fundamental Frequency :	710.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	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	-45.17	-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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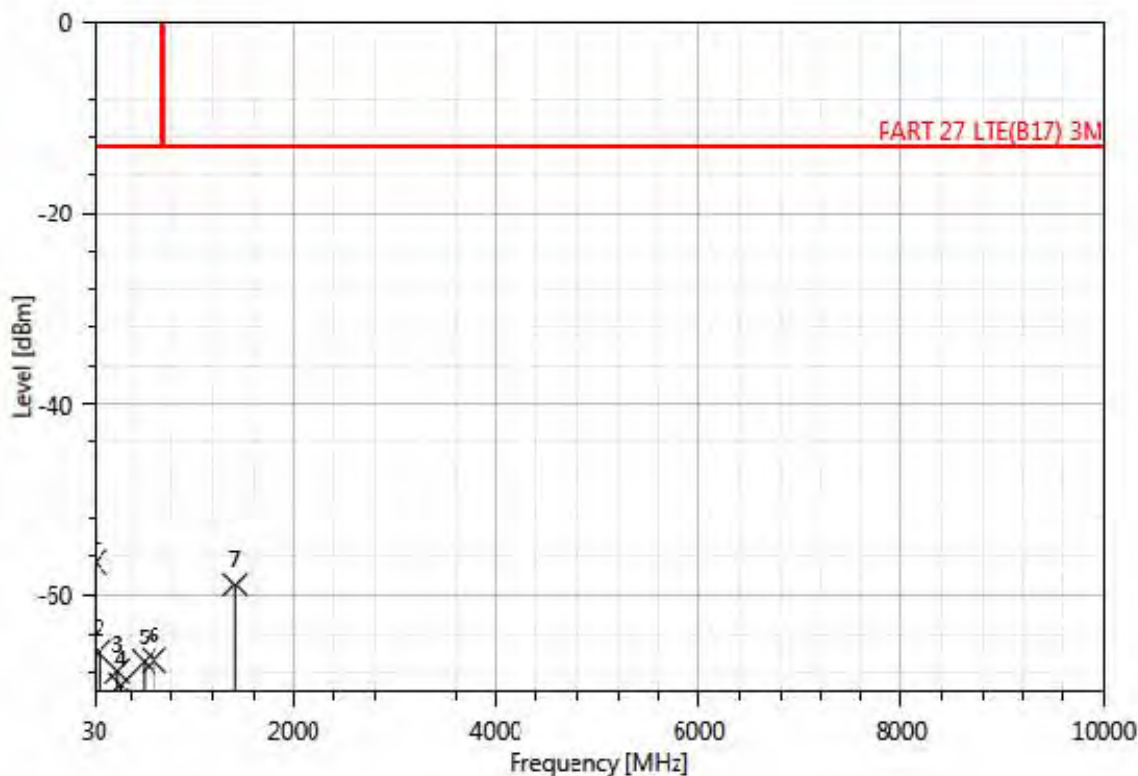
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Operation Mode : LTE B17 Test Date : 12/22/2016
Fundamental Frequency : 710.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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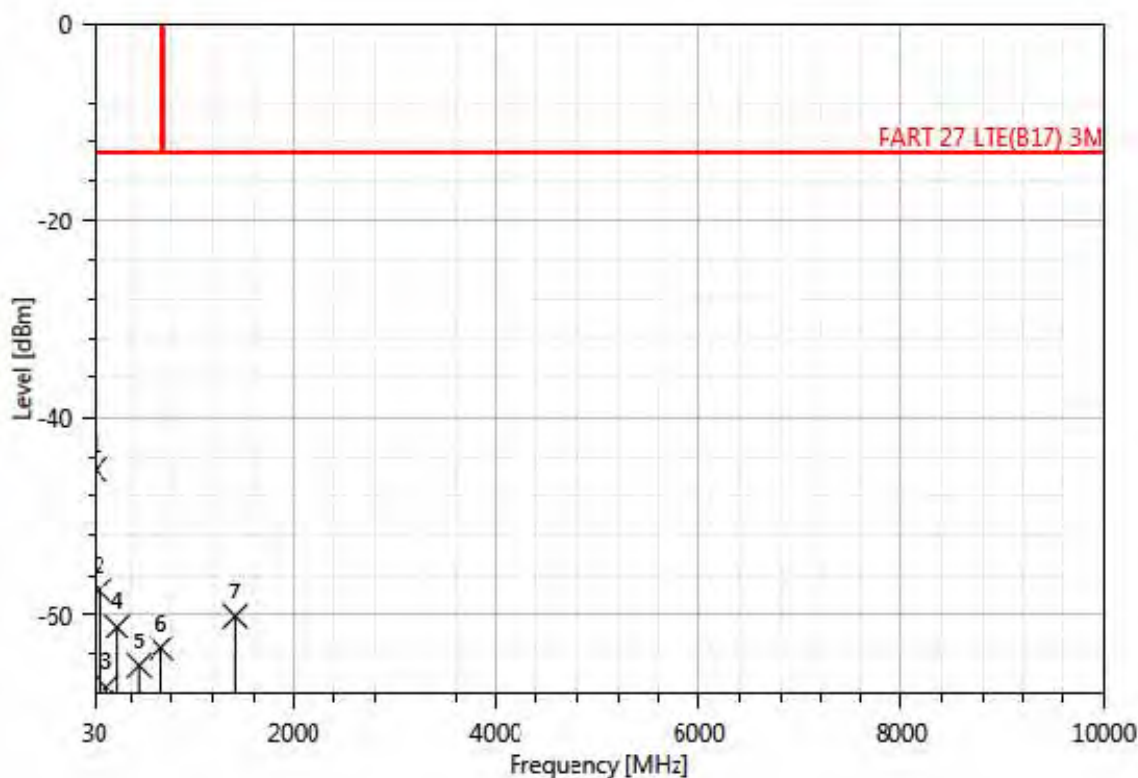
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Operation Mode : LTE B17 Test Date : 12/22/2016
Fundamental Frequency : 711.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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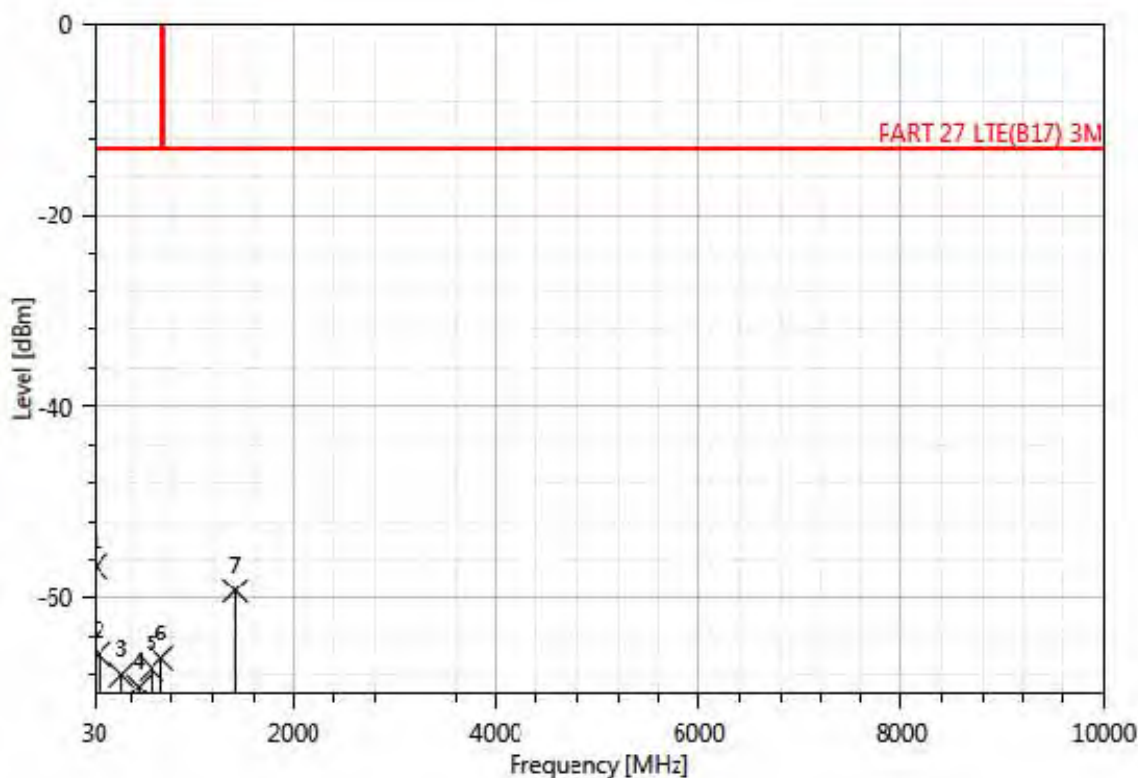
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Operation Mode :	LTE B17	Test Date :	12/22/2016
Fundamental Frequency :	711.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



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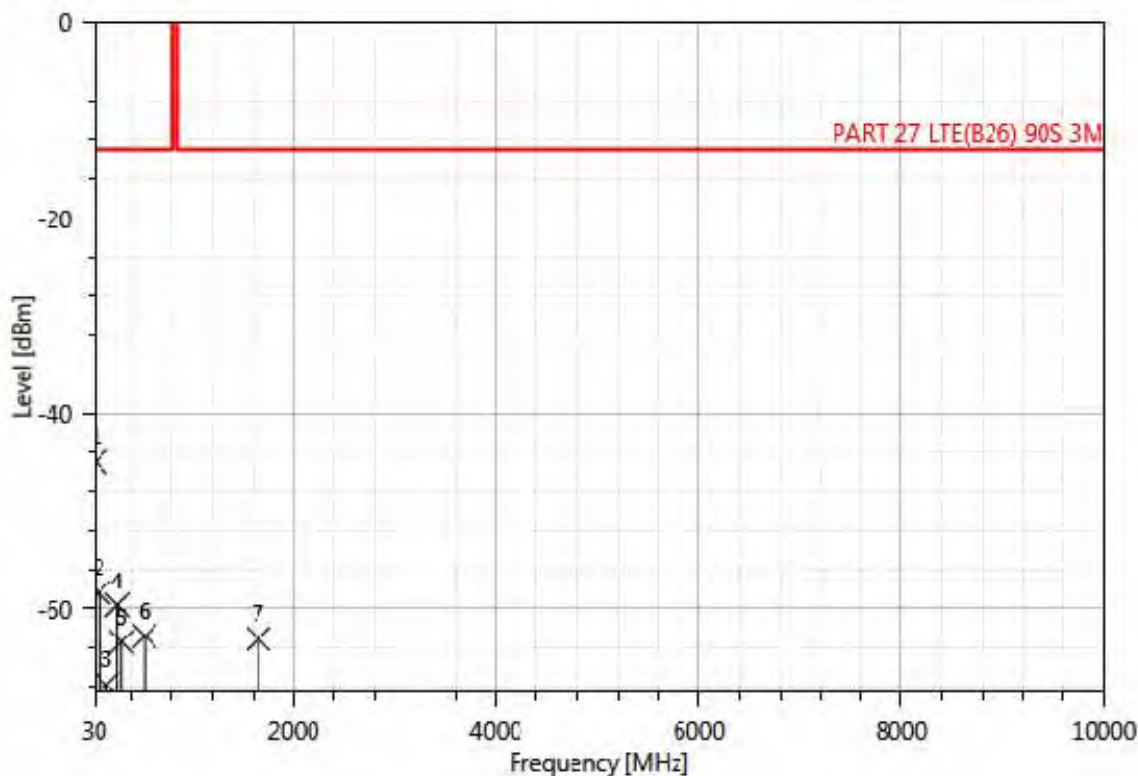
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Radiated Spurious Emission Measurement Result: LTE-Band 26 (The Worst Case)

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.	Note	Decetor	ERP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	Mode	Level	Level	Gain	Loss	@3m	dB
		QP/AV/PK	dBm	dBm	dBd	dB	dBm	
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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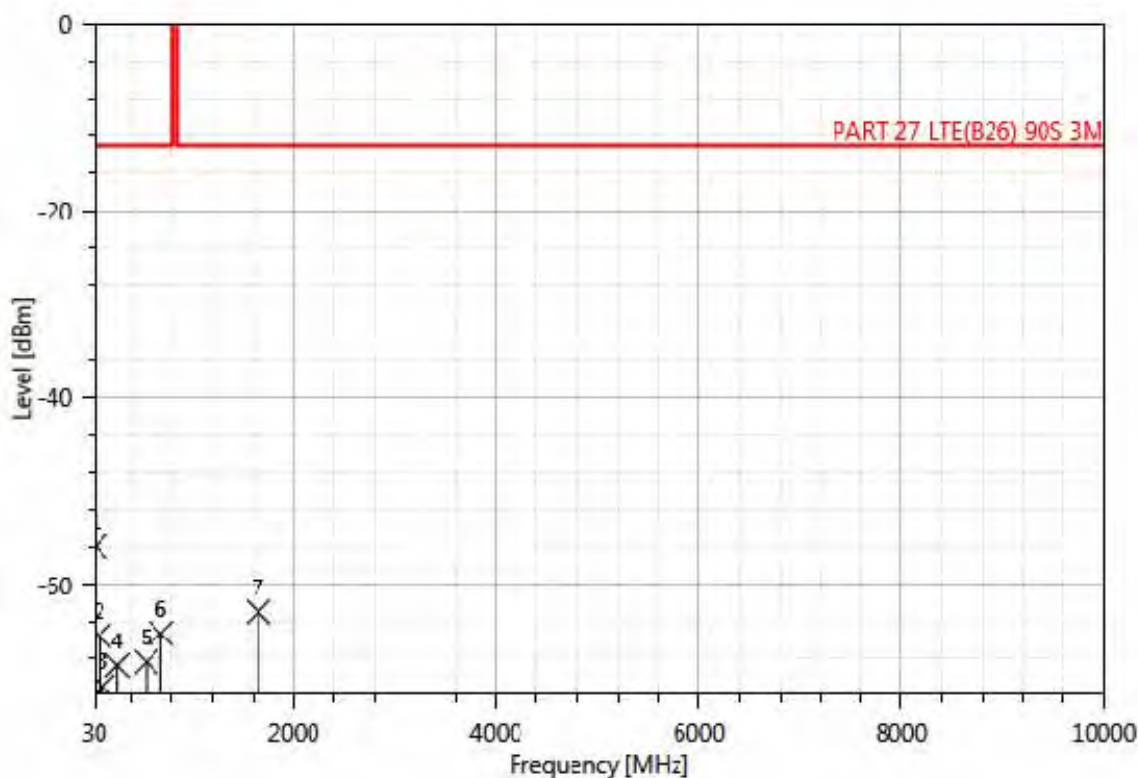
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 825.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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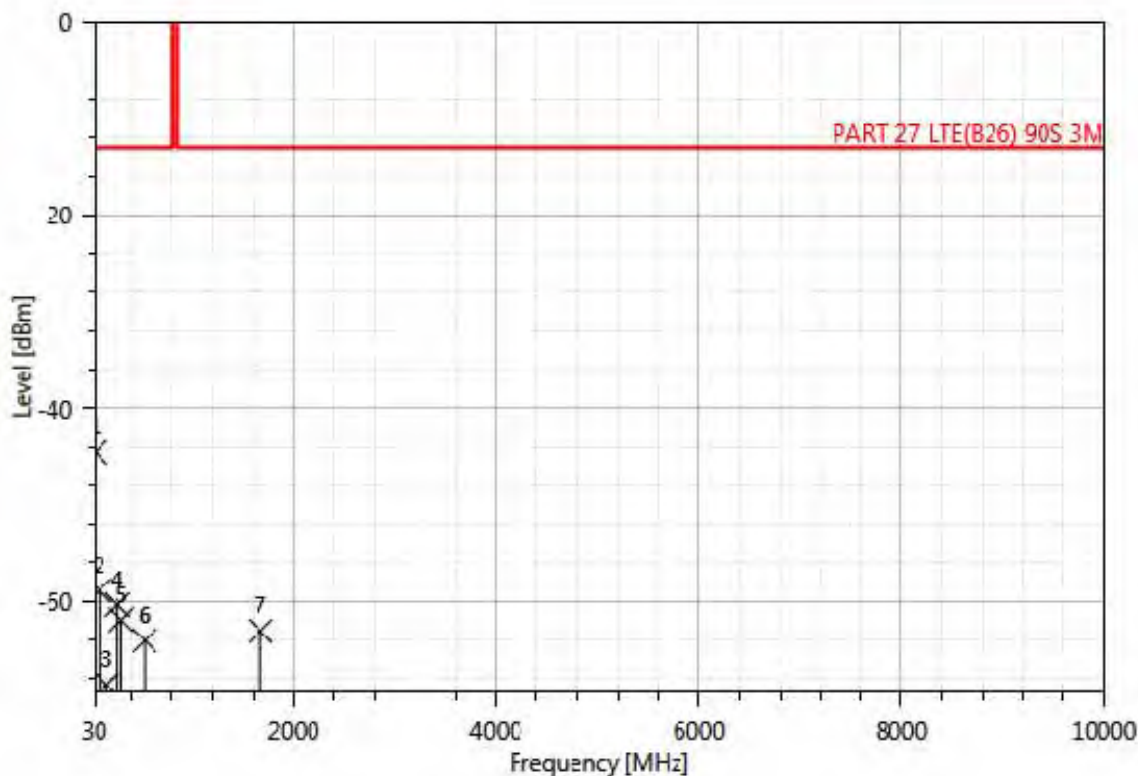
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



Freq.	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	-44.55	-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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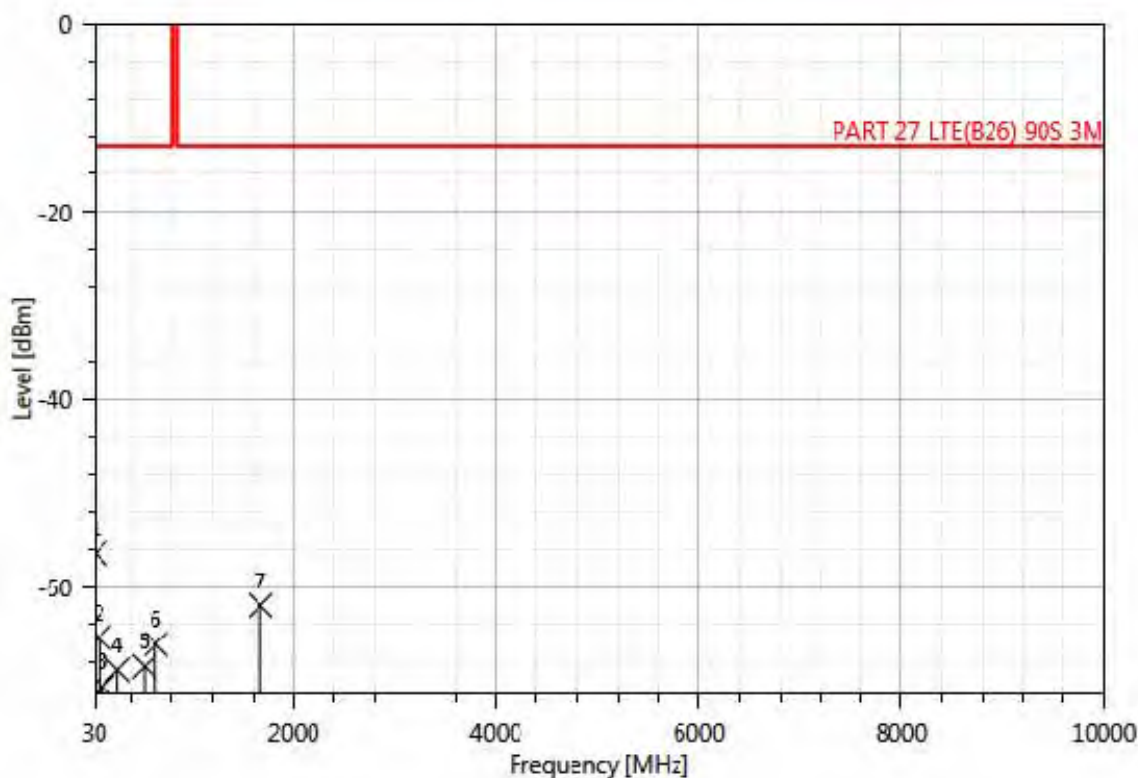
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	836.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



Freq.	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	-56.43	-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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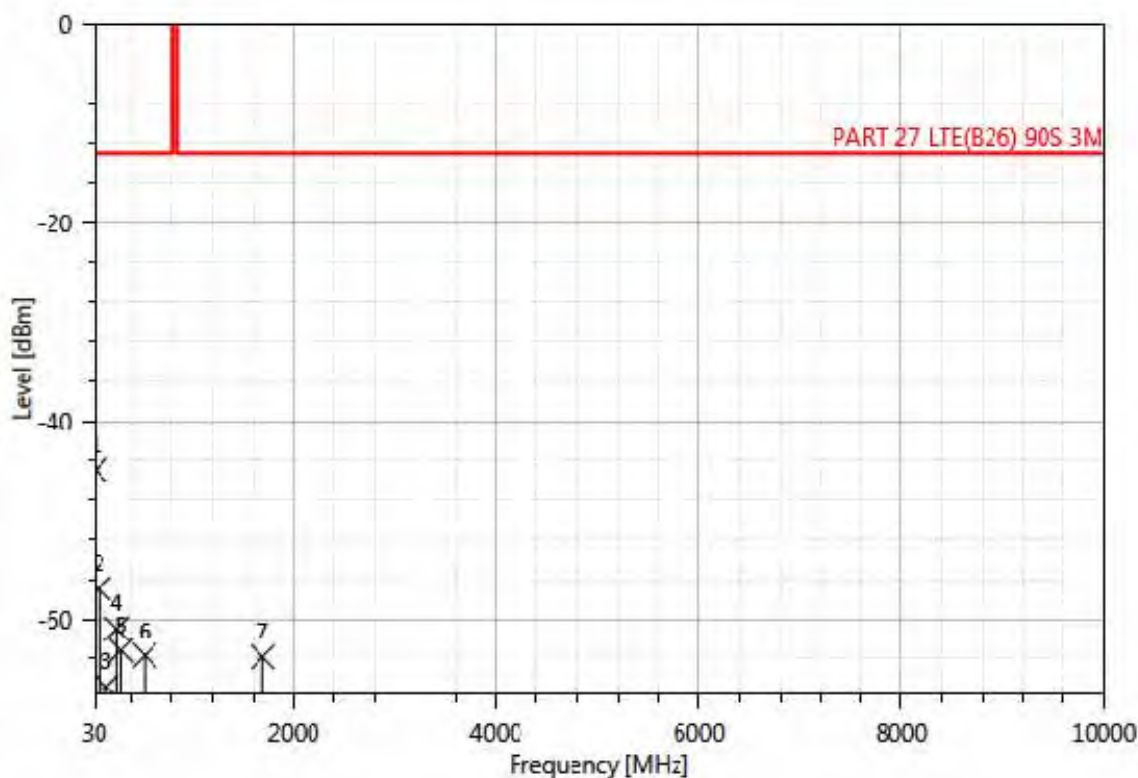
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 847.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



Freq. 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	-44.92	-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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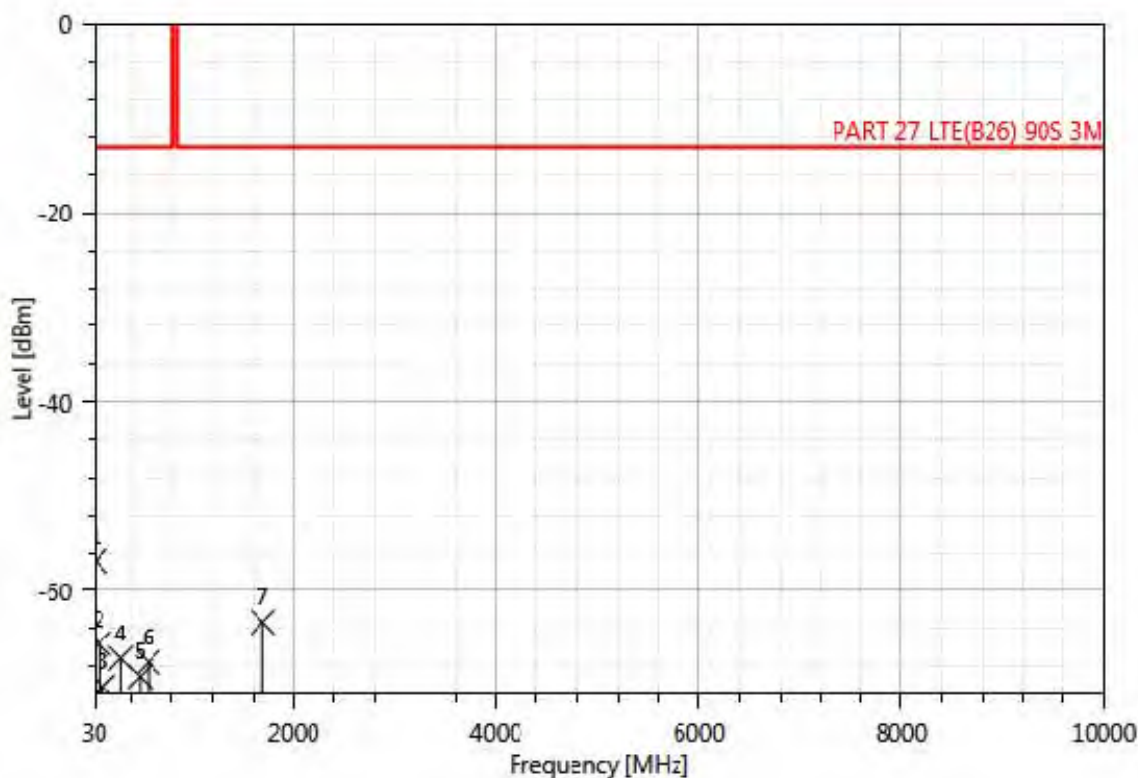
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 847.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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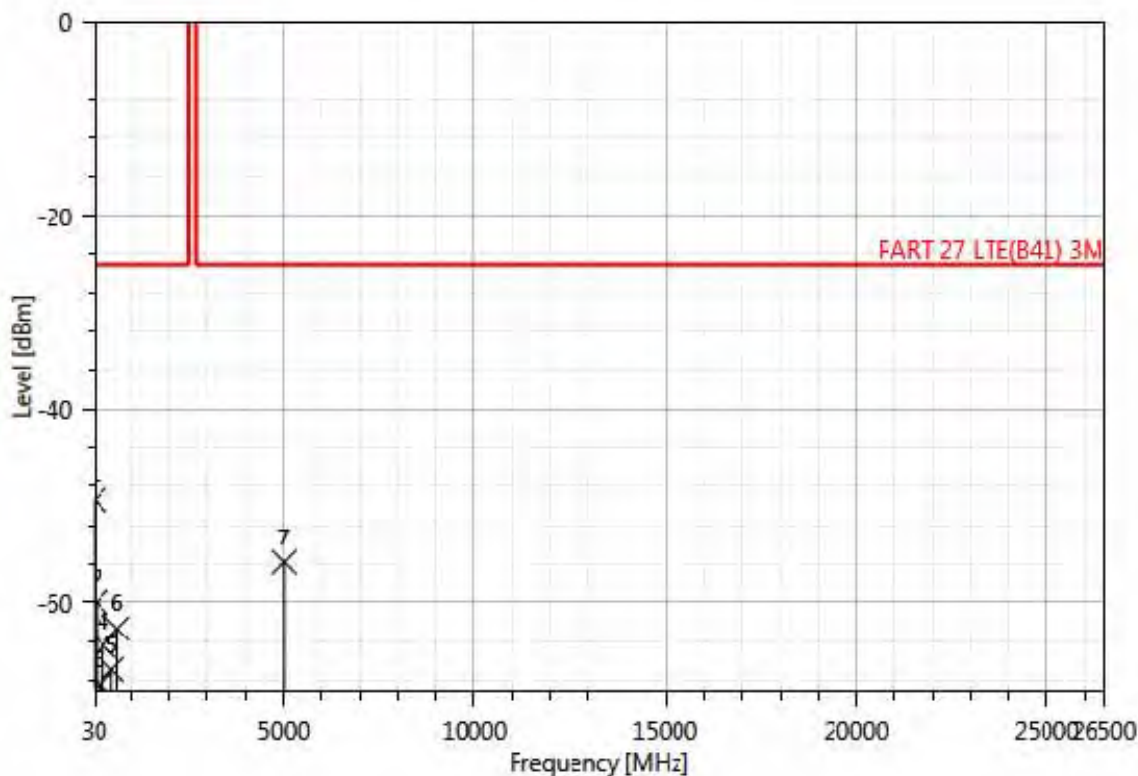
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Radiated Spurious Emission Measurement Result: LTE-Band 41 (The Worst Case)

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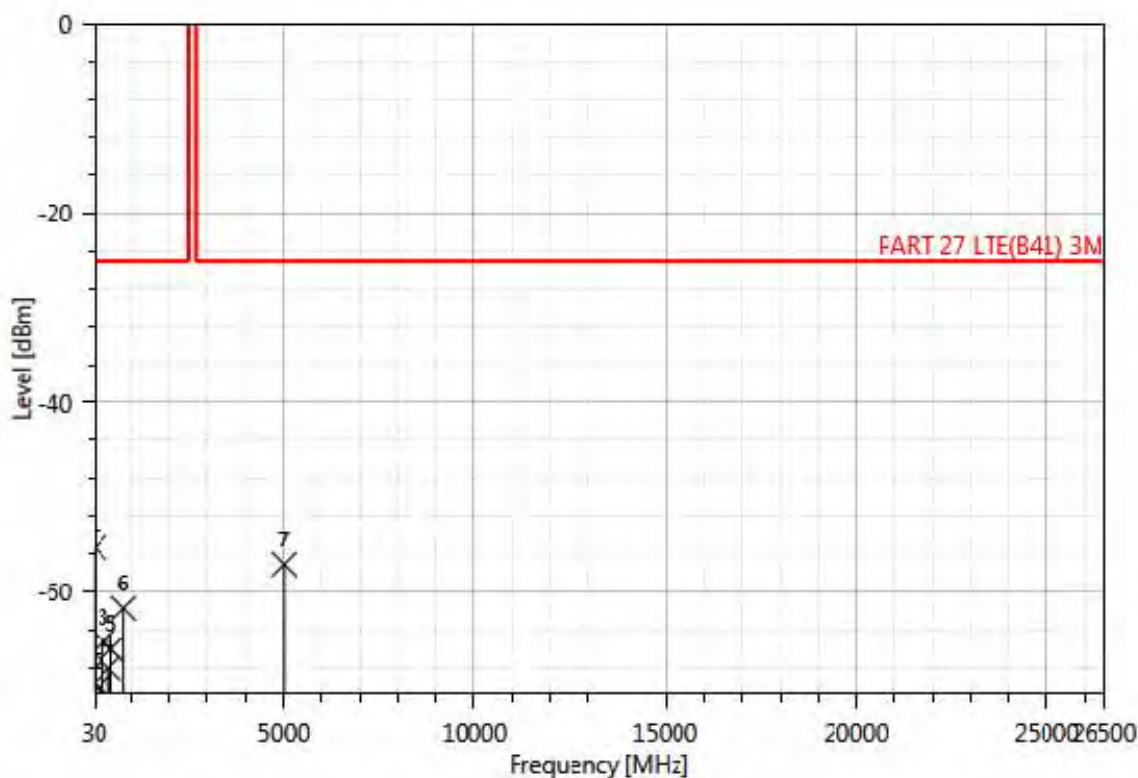
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Operation Mode : LTE B41 Test Date : 12/23/2016
Fundamental Frequency : 2506.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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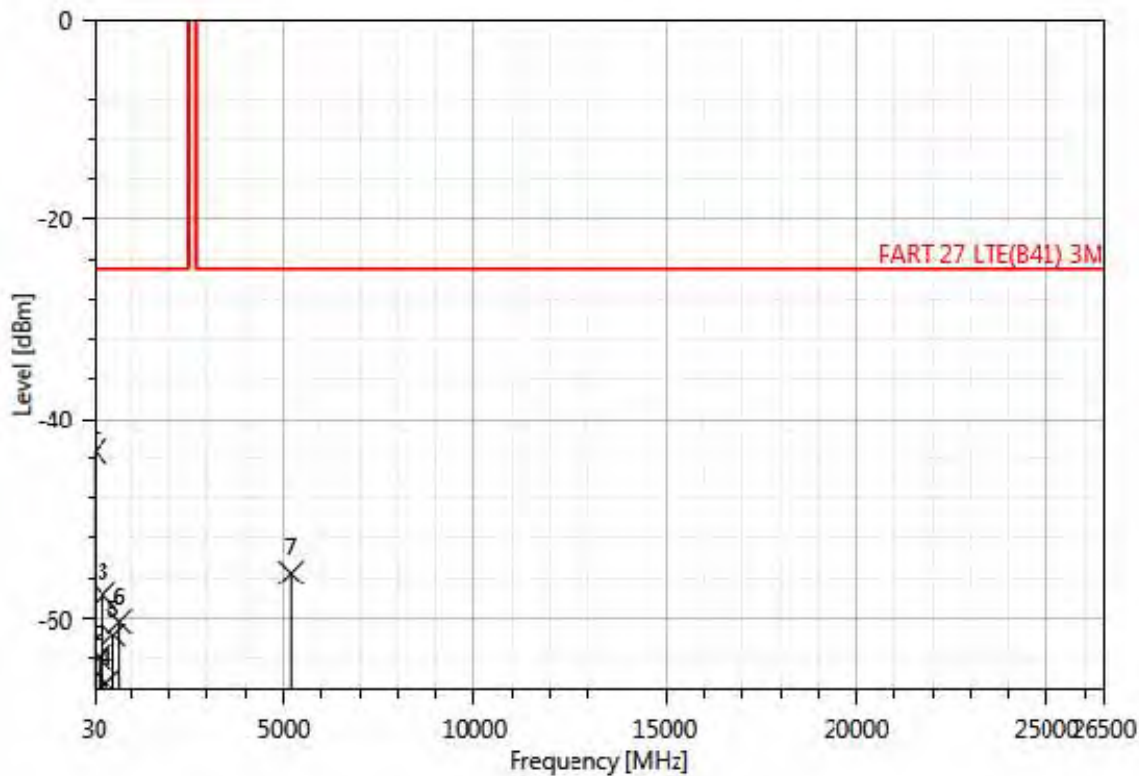
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Operation Mode :	LTE B41	Test Date :	12/23/2016
Fundamental Frequency :	2593.0 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



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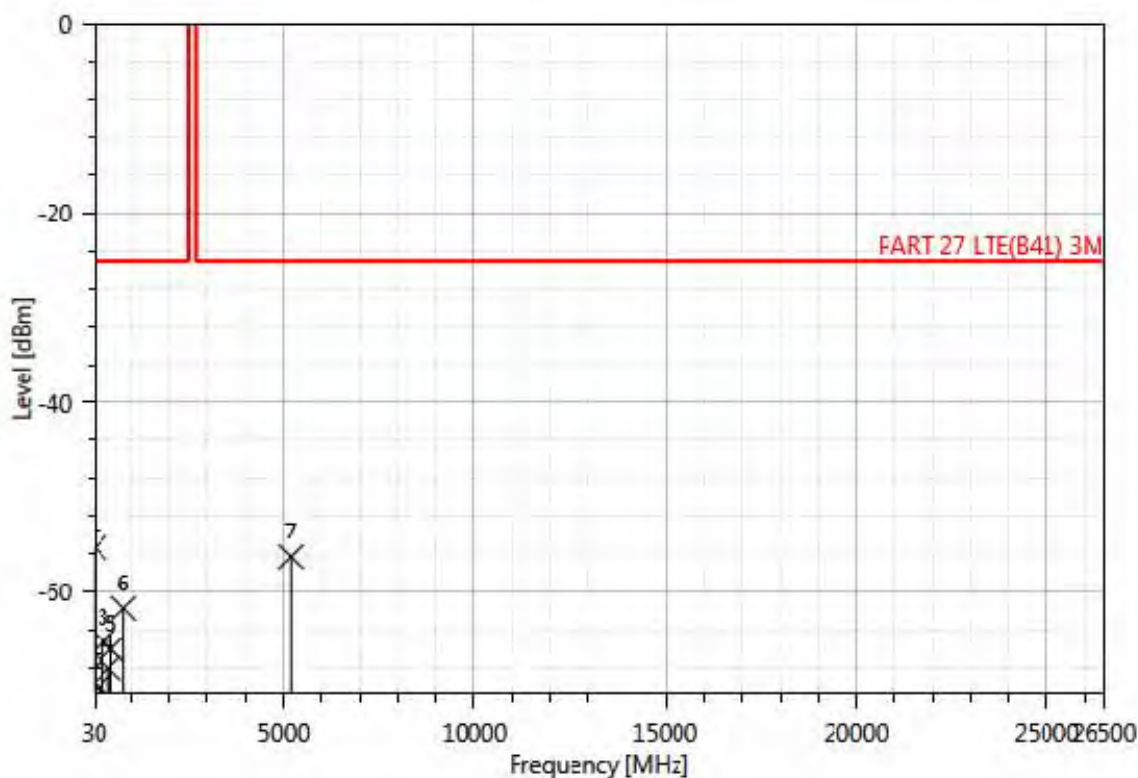
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Operation Mode : LTE B41 Test Date : 12/23/2016
Fundamental Frequency : 2593.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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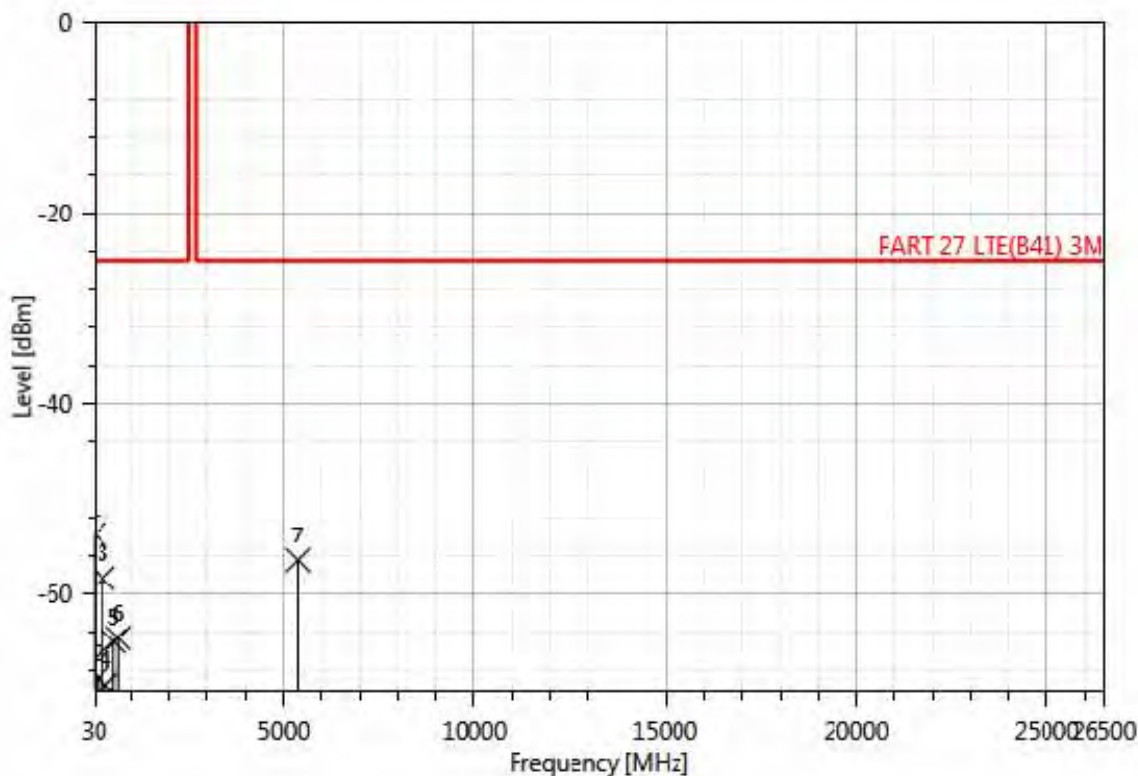
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Operation Mode : LTE B41 Test Date : 12/23/2016
Fundamental Frequency : 2680.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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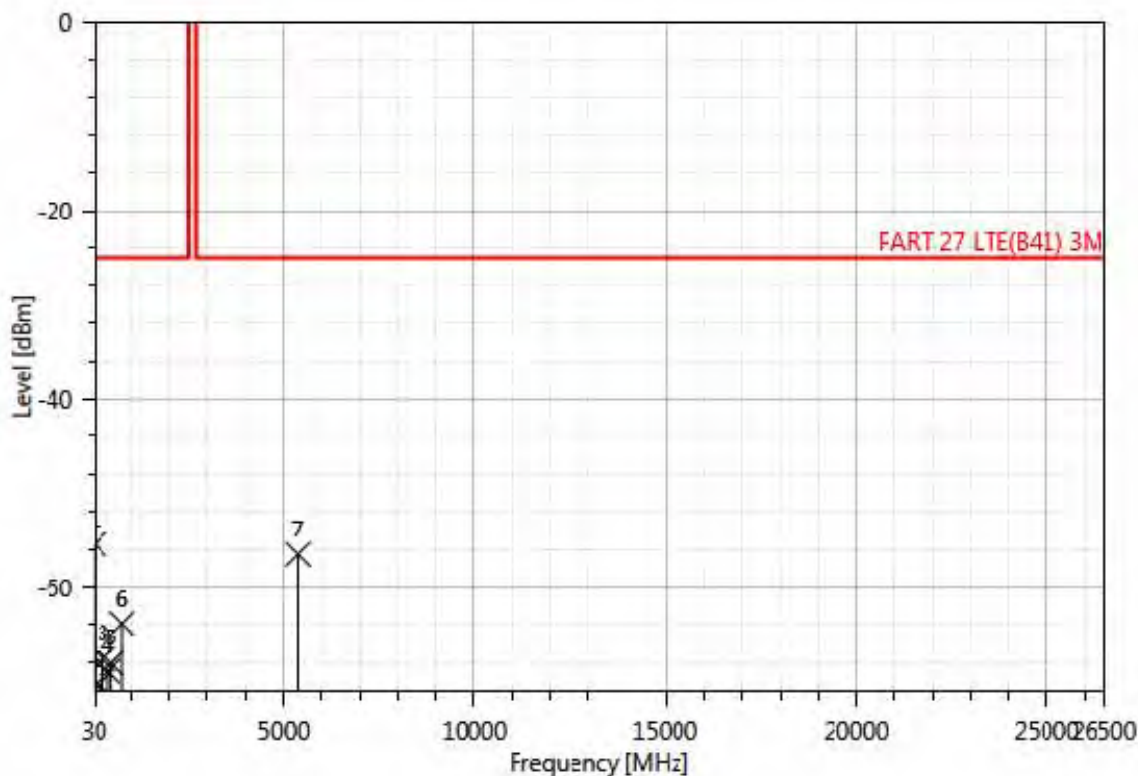
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Operation Mode : LTE B41 Test Date : 12/23/2016
Fundamental Frequency : 2680.0 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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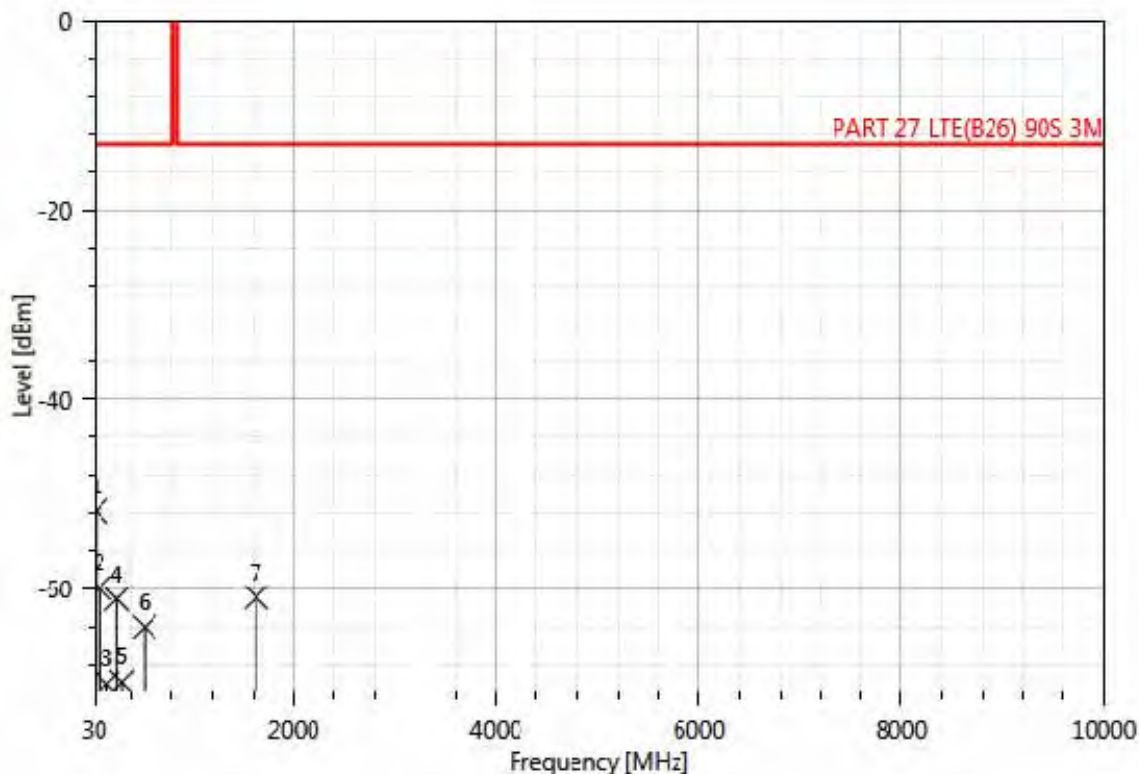
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Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S (The Worst Case)

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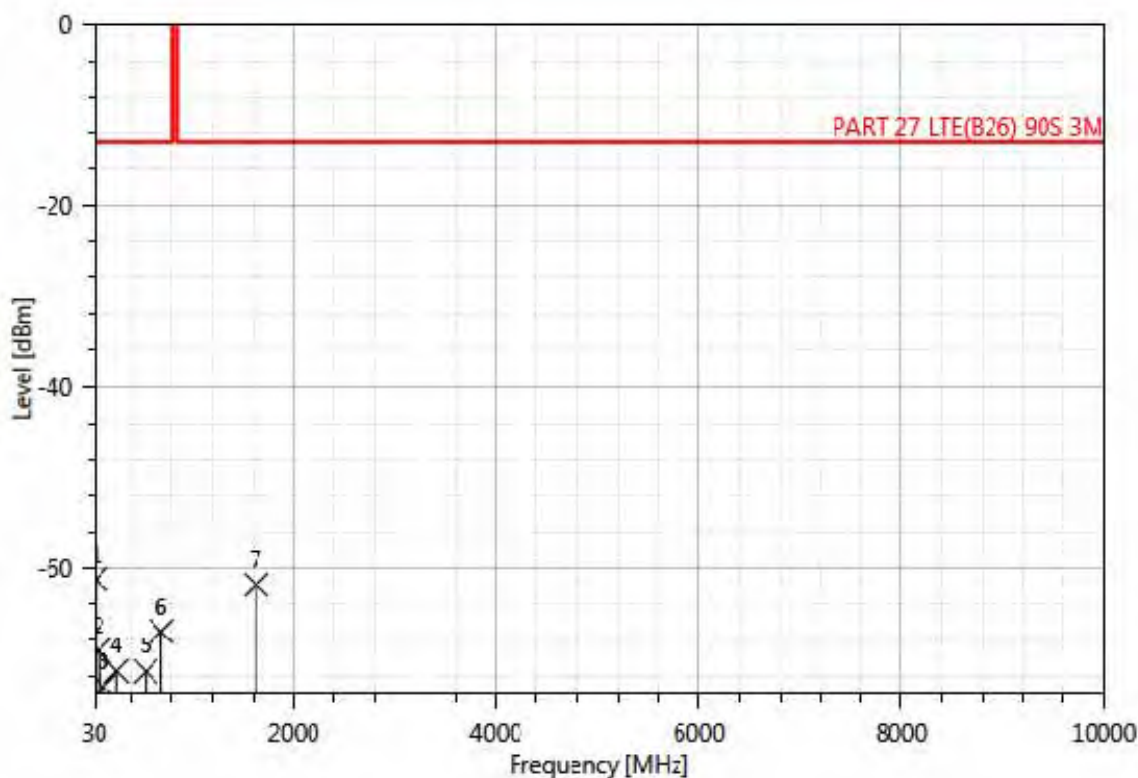
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 815.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH LOW Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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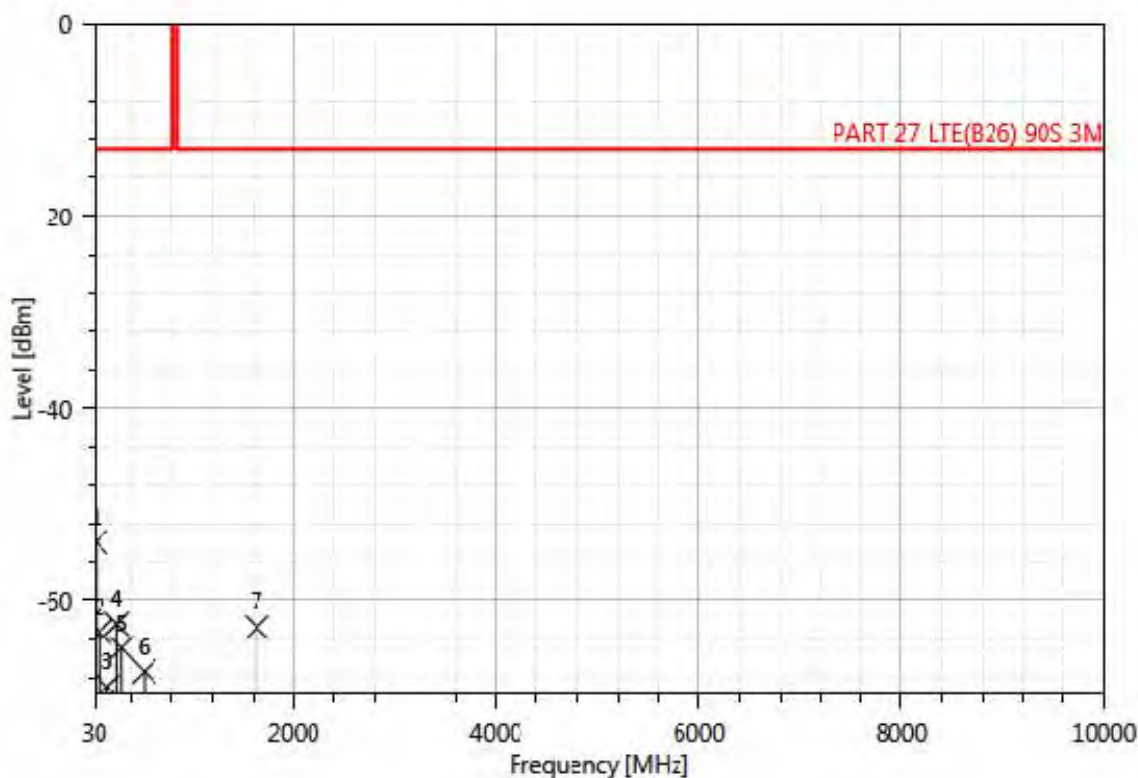
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	819 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH MID	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	VERTICAL



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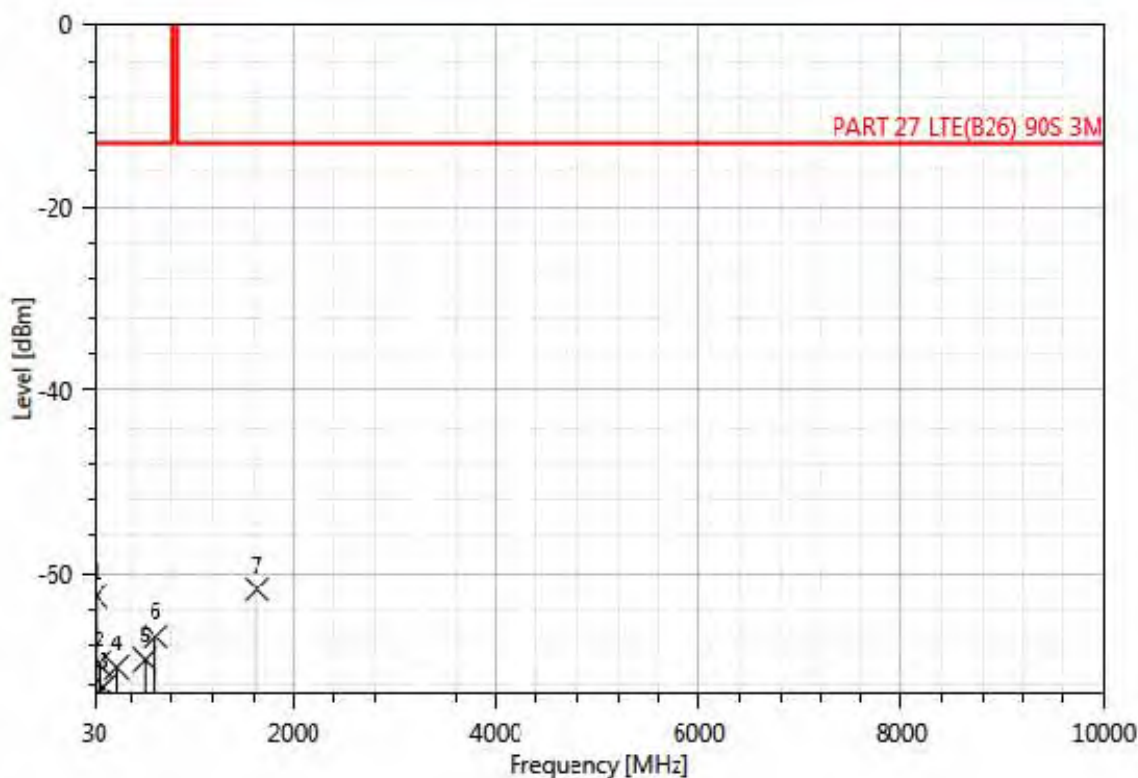
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 819 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH MID Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : HORIZONTAL



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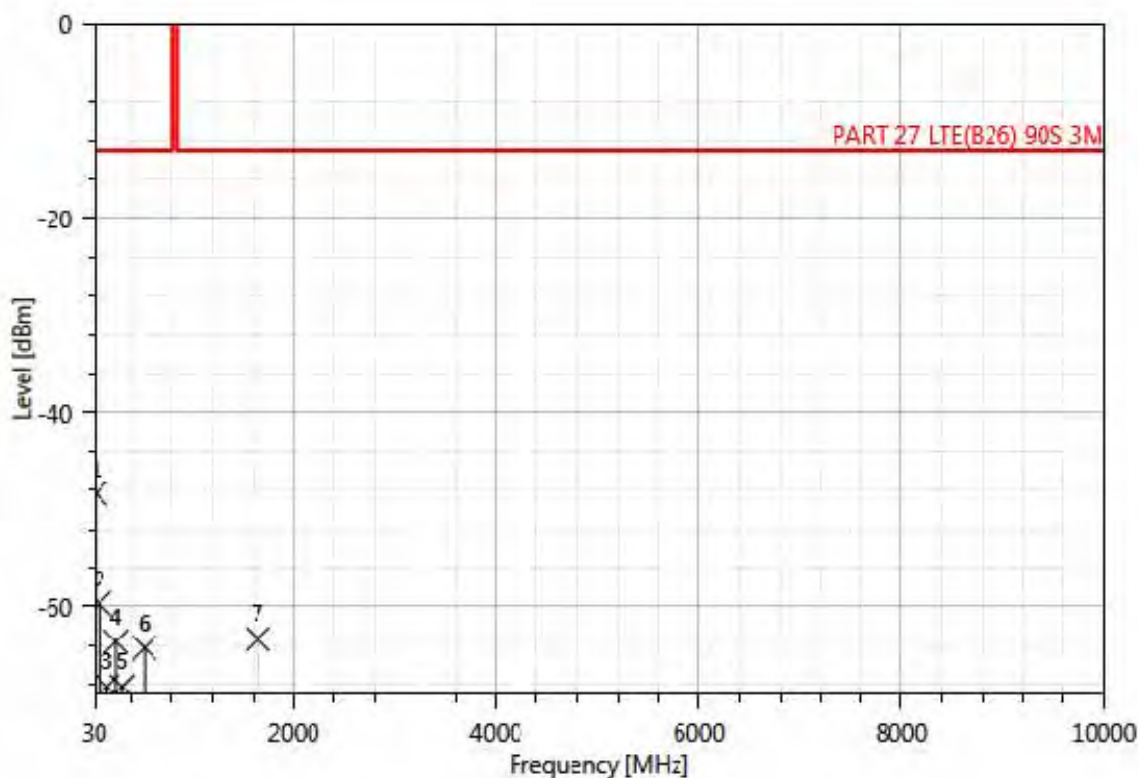
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Operation Mode : LTE B26 Test Date : 12/23/2016
Fundamental Frequency : 822.5 MHz Temp. / Humi. : 21 deg_C / 62 RH
Operation Band : Tx CH HIGH Test Engineer : Tin
EUT Pol. : E2 Plane Measurement Antenna Pol. : VERTICAL



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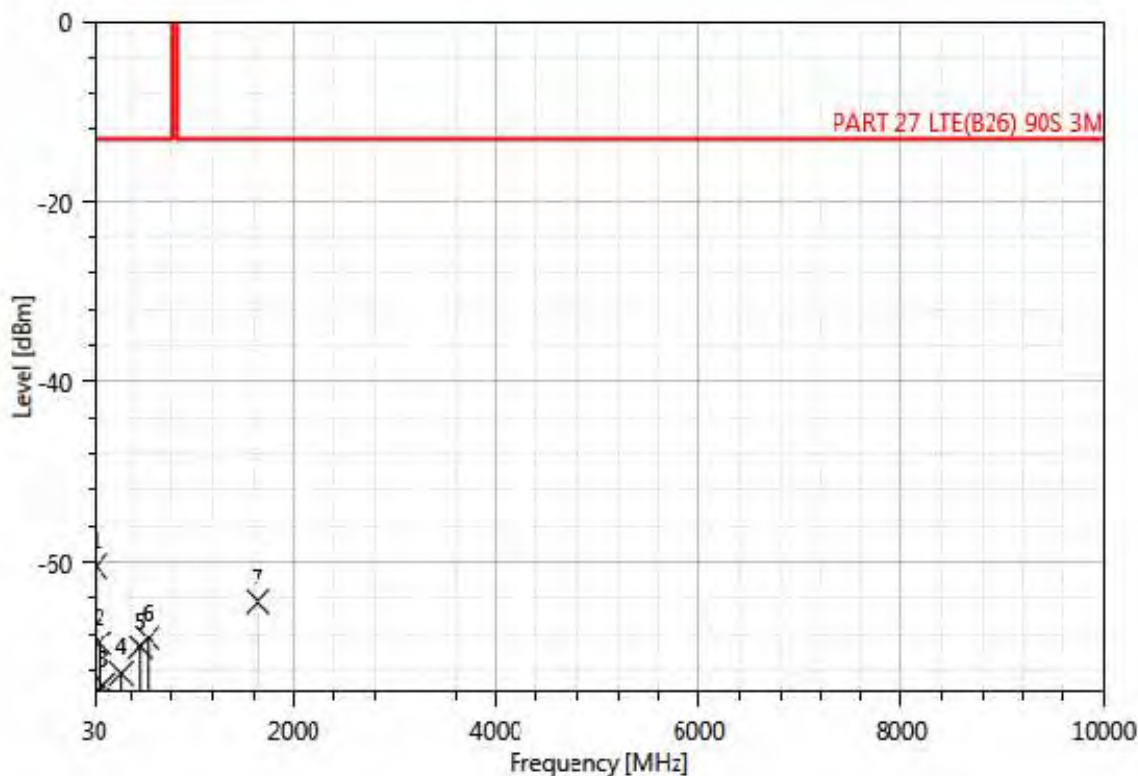
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Operation Mode :	LTE B26	Test Date :	12/23/2016
Fundamental Frequency :	822.5 MHz	Temp. / Humi. :	21 deg_C / 62 RH
Operation Band :	Tx CH HIGH	Test Engineer :	Tin
EUT Pol. :	E2 Plane	Measurement Antenna Pol. :	HORIZONTAL



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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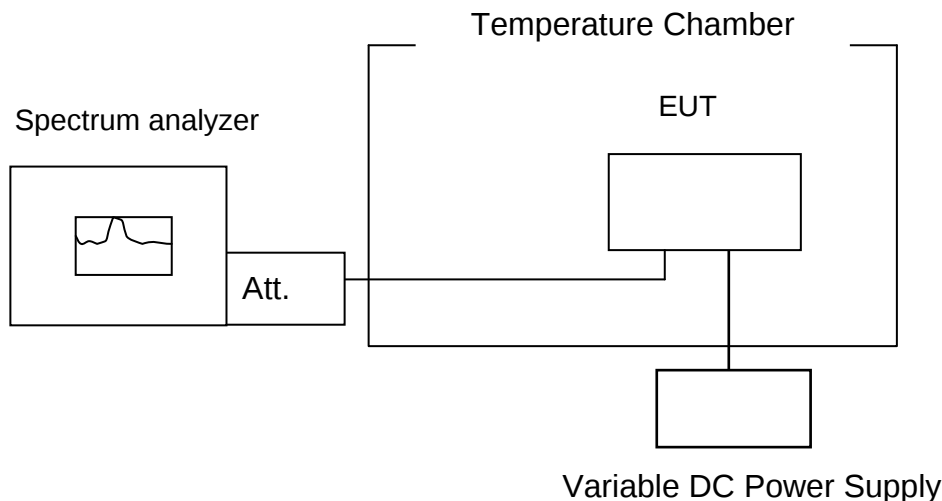
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11. FREQUENCY STABILITY MEASUREMENT

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 . Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint as declared by the manufacturer, record the maximum frequency change.

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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	Delta (Hz)	Limit (Hz)
Vdc	Temperature ()	(MHz)		
12.2	20	836.600014	29	2091
11.1	20	836.599985	0	2091
10	20	836.599998	13	2091
6.5 (End point)	20	836.599991	6	2091

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: GPRS 850 Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ()	(MHz)		
11.1	50	836.600008	14	2091
11.1	40	836.600004	10	2091
11.1	30	836.599993	-1	2091
11.1	20	836.599994	0	2091
11.1	10	836.600010	16	2091
11.1	0	836.599995	1	2091
11.1	-10	836.599993	-1	2091
11.1	-20	836.600006	12	2091
11.1	-30	836.600003	9	2091

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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 ()	(MHz)		
12.2	20	1879.999992	-6	4700
11.1	20	1879.999998	0	4700
10	20	1880.000009	11	4700
6.5 (End point)	20	1879.999996	-2	4700

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: GPRS 1900 Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm = Hz				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ()	(MHz)		
11.1	50	1880.000001	-1	4700
11.1	40	1879.999985	-17	4700
11.1	30	1879.999998	-4	4700
11.1	20	1880.000002	0	4700
11.1	10	1879.999990	-12	4700
11.1	0	1879.999996	-6	4700
11.1	-10	1880.000013	11	4700
11.1	-20	1879.999993	-9	4700
11.1	-30	1880.000003	1	4700

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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 ()	(MHz)		
12.2	20	1879.999994	-18	4700
11.1	20	1880.000012	0	4700
10	20	1879.999994	-18	4700
6.5 (End point)	20	1880.000010	-2	4700

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA II Mid Channel 1880				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ()	(MHz)		
11.1	50	1879.999996	3	4700
11.1	40	1880.000010	17	4700
11.1	30	1879.999990	-3	4700
11.1	20	1879.999993	0	4700
11.1	10	1880.000014	21	4700
11.1	0	1879.999987	-6	4700
11.1	-10	1880.000013	20	4700
11.1	-20	1880.000015	22	4700
11.1	-30	1879.999997	4	4700

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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 ()	(MHz)		
12.2	20	1732.60012	15	4331
11.1	20	1732.59997	0	4331
10	20	1732.59995	-2	4331
6.5 (End point)	20	1732.60007	10	4331

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ()	(MHz)		
11.1	50	1732.59995	5	4331
11.1	40	1732.60005	15	4331
11.1	30	1732.60013	23	4331
11.1	20	1732.59990	0	4331
11.1	10	1732.59990	0	4331
11.1	0	1732.60004	14	4331
11.1	-10	1732.60000	10	4331
11.1	-20	1732.59993	3	4331
11.1	-30	1732.60003	13	4331

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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	Delta (Hz)	Limit (Hz)
Vdc	Temperature ()	(MHz)		
12.2	20	836.599999	-9	2091
11.1	20	836.600008	0	2091
10	20	836.600000	-8	2091
6.5 (End point)	20	836.599986	-22	2091

FREQUENCY ERROR vs. TEMPERATURE

Reference Frequency: WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Power Supply	Environment	Frequency	Delta (Hz)	Limit (Hz)
Vdc	Temperature ()	(MHz)		
11.1	50	836.599988	-10	2091
11.1	40	836.600014	16	2091
11.1	30	836.599987	-11	2091
11.1	20	836.599998	0	2091
11.1	10	836.600008	10	2091
11.1	0	836.599998	0	2091
11.1	-10	836.600006	8	2091
11.1	-20	836.600003	5	2091
11.1	-30	836.600012	14	2091

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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 ()	(MHz)			
12.2	25	1879.99999	-18	4700	
11.1	25	1880.00001	0	4700	
10	25	1879.99999	-17	4700	
6.5 (End Point)	25	1879.99999	-16	4700	

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	1880	-21	4700	
11.1	-20	1879.99999	-22	4700	
11.1	-10	1879.99999	-26	4700	
11.1	0	1880.00001	-5	4700	
11.1	10	1879.99999	-31	4700	
11.1	20	1880.00002	0	4700	
11.1	30	1879.99999	-22	4700	
11.1	40	1880.00001	-11	4700	
11.1	50	1879.99999	-22	4700	

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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 ()	(MHz)			
12.2	25	1732.5	-19	4331	
11.1	25	1732.5	0	4331	
10	25	1732.5	-4	4331	
6.5 (End Point)	25	1732.5	8	4331	

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	1732.5	-13	4331	
11.1	-20	1732.5	-18	4331	
11.1	-10	1732.5	13	4331	
11.1	0	1732.5	-2	4331	
11.1	10	1732.5	4	4331	
11.1	20	1732.5	0	4331	
11.1	30	1732.5	-18	4331	
11.1	40	1732.5	-6	4331	
11.1	50	1732.5	6	4331	

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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 ()	(MHz)			
12.2	25	836.500008	-7	2091	
11.1	25	836.500015	0	2091	
10	25	836.49998	-35	2091	
6.5 (End Point)	25	836.50001	-5	2091	

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	836.500002	20	2091	
11.1	-20	836.499983	1	2091	
11.1	-10	836.500014	32	2091	
11.1	0	836.500018	36	2091	
11.1	10	836.500014	32	2091	
11.1	20	836.499982	0	2091	
11.1	30	836.499995	13	2091	
11.1	40	836.500019	37	2091	
11.1	50	836.499981	-1	2091	

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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 ()	(MHz)			
12.2	25	2535	-1	6338	
11.1	25	2535	0	6338	
10	25	2535	-19	6338	
6.5 (End Point)	25	2535	1	6338	

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	2535	-20	6338	
11.1	-20	2535	-23	6338	
11.1	-10	2535	-26	6338	
11.1	0	2535	-21	6338	
11.1	10	2535	-9	6338	
11.1	20	2535	0	6338	
11.1	30	2535	-28	6338	
11.1	40	2535	-9	6338	
11.1	50	2535	-28	6338	

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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 ()	(MHz)			
12.2	25	707.49999	-19	1769	
11.1	25	707.500009	0	1769	
10	25	707.499985	-24	1769	
6.5 (End Point)	25	707.500005	-4	1769	

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	707.500004	-8	1769	
11.1	-20	707.499989	-23	1769	
11.1	-10	707.499982	-30	1769	
11.1	0	707.500017	5	1769	
11.1	10	707.500018	6	1769	
11.1	20	707.500012	0	1769	
11.1	30	707.50001	-2	1769	
11.1	40	707.500004	-8	1769	
11.1	50	707.499984	-28	1769	

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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 ()	(MHz)			
12.2	25	710	23		1775
11.1	25	710	0		1775
10	25	710	14		1775
6.5 (End Point)	25	710	17		1775

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	710	13		1775
11.1	-20	710	7		1775
11.1	-10	710	21		1775
11.1	0	710	18		1775
11.1	10	710	-2		1775
11.1	20	710	0		1775
11.1	30	710	-2		1775
11.1	40	710	29		1775
11.1	50	710	33		1775

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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 ()	(MHz)			
12.2	25	836.499996	15		2091
11.1	25	836.499981	0		2091
10	25	836.500015	34		2091
6.5 (End Point)	25	836.499984	3		2091

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	836.499997	-19		2091
11.1	-20	836.500016	0		2091
11.1	-10	836.499993	-23		2091
11.1	0	836.499988	-28		2091
11.1	10	836.500012	-4		2091
11.1	20	836.500016	0		2091
11.1	30	836.500012	-4		2091
11.1	40	836.499996	-20		2091
11.1	50	836.500019	3		2091

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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 ()	(MHz)			
12.2	25	2605.00002	17	6488	
11.1	25	2605	0	6488	
10	25	2605.00001	12	6488	
6.5 (End Point)	25	2604.99999	-11	6488	

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	2604.99999	2	6488	
11.1	-20	2605	6	6488	
11.1	-10	2605.00001	18	6488	
11.1	0	2605	12	6488	
11.1	10	2605	5	6488	
11.1	20	2604.99999	0	6488	
11.1	30	2605	10	6488	
11.1	40	2604.99999	-1	6488	
11.1	50	2605.00001	20	6488	

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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 ()	(MHz)			
12.2	25	819	-17	2048	
11.1	25	819	0	2048	
10	25	819	-8	2048	
6.5 (End Point)	25	819	-16	2048	

FREQUENCY ERROR vs. TEMPERATURE

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 ()	(MHz)			
11.1	-30	819	-1	2048	
11.1	-20	819	0	2048	
11.1	-10	819	-12	2048	
11.1	0	819	-11	2048	
11.1	10	819	5	2048	
11.1	20	819	0	2048	
11.1	30	819	-7	2048	
11.1	40	819	-7	2048	
11.1	50	819	8	2048	

Note: The battery is rated 11.1Vdc.

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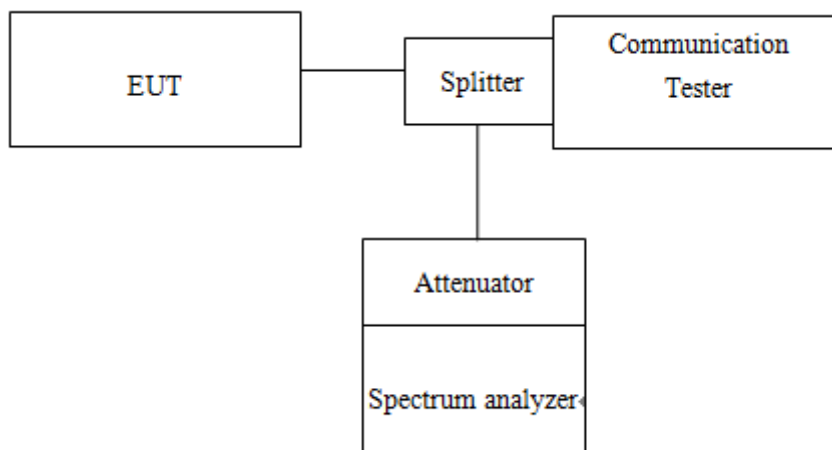
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12. PEAK TO AVERAGE RATIO

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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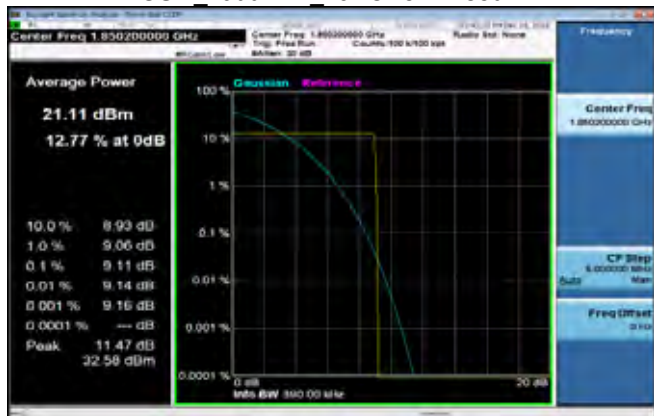
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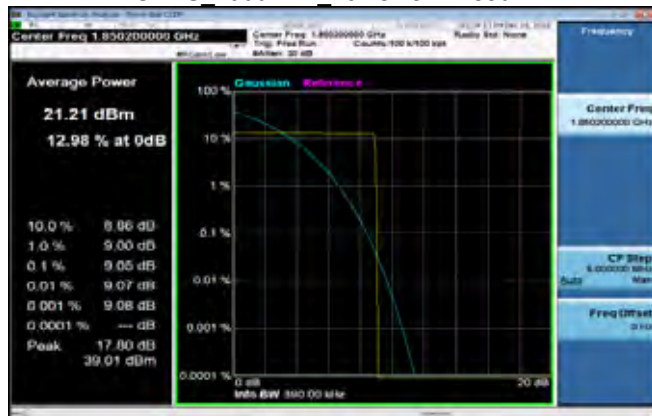
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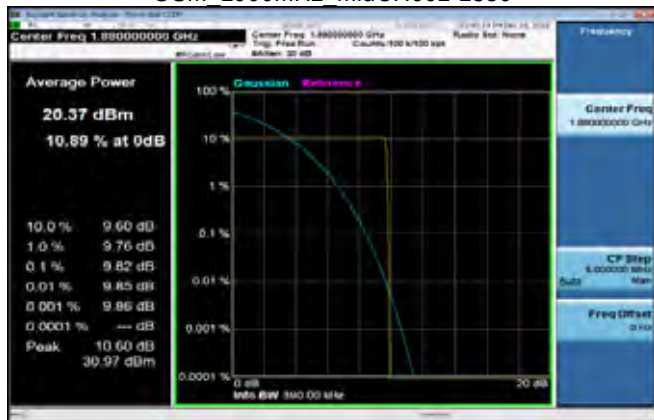
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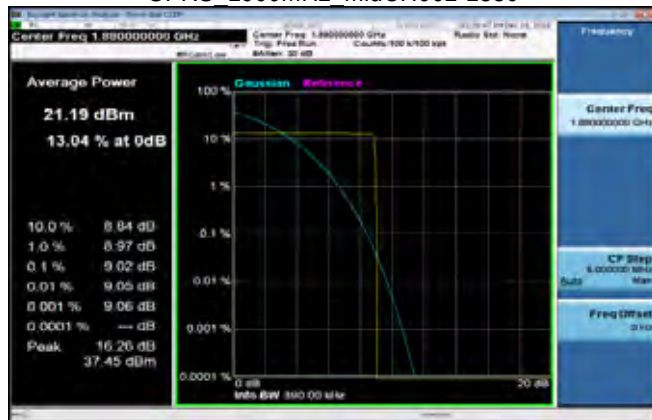
GPRS 1900MHz LowCH512-1850.2



GSM 1900MHz MidCH661-1880



GPRS 1900MHz MidCH661-1880



GSM 1900MHz HighCH810-1909.8



GPRS 1900MHz HighCH810-1909.8



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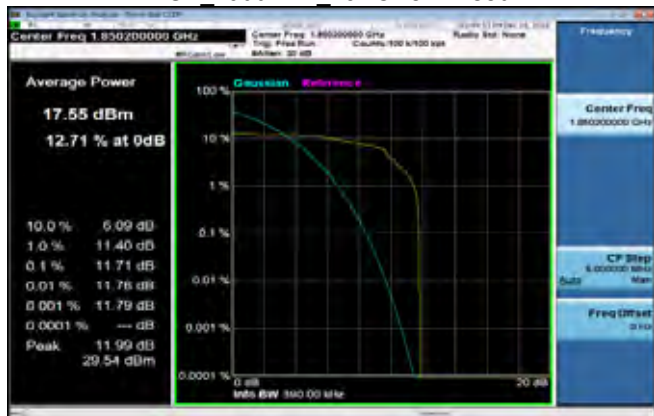
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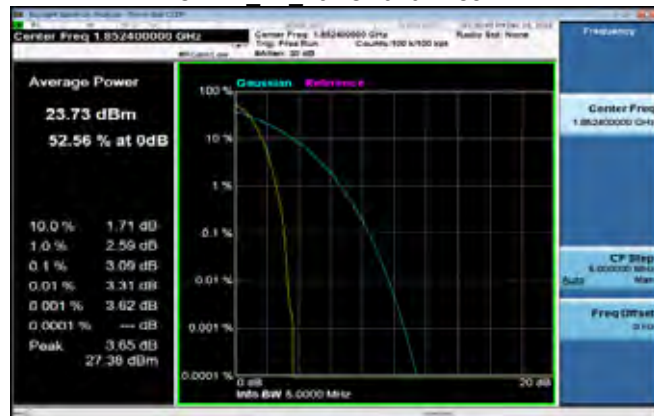
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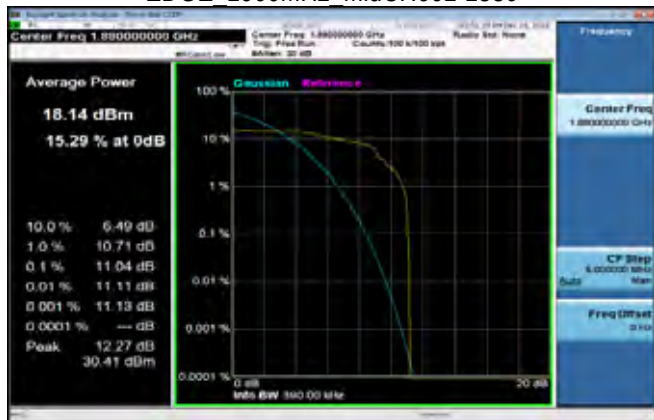
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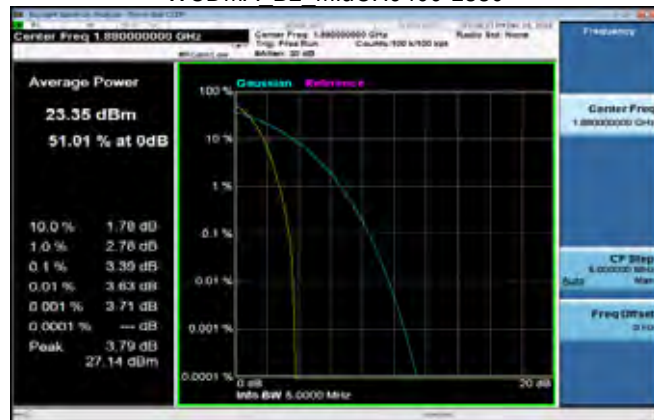
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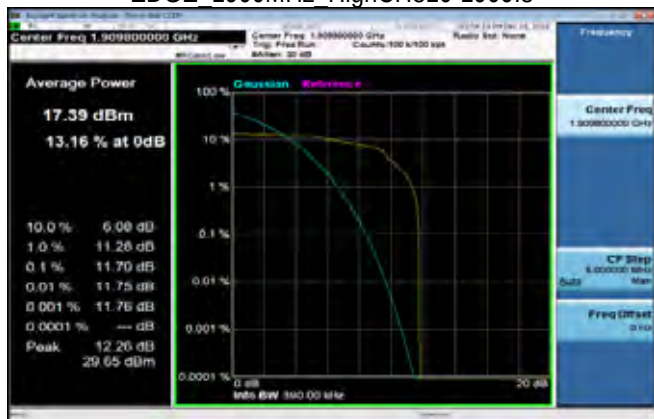
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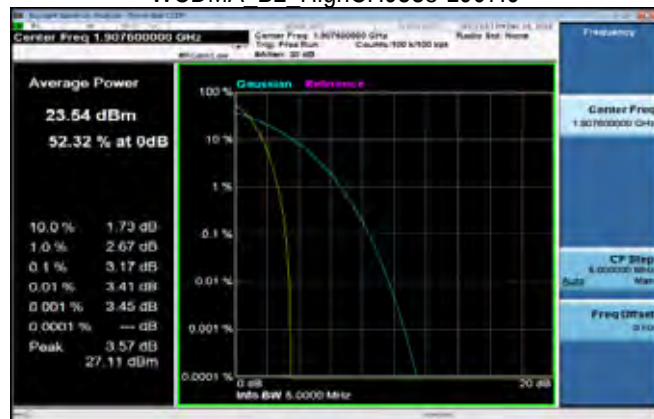
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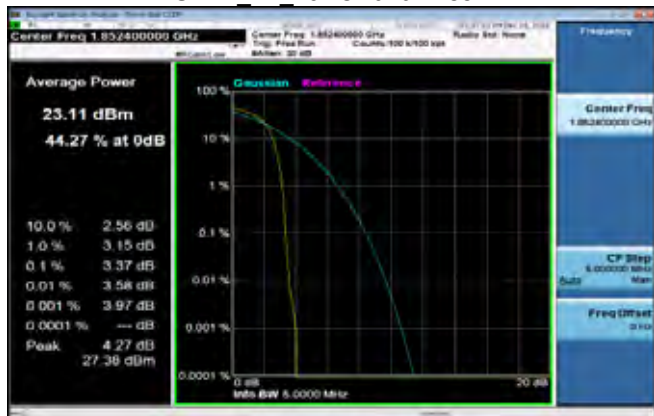
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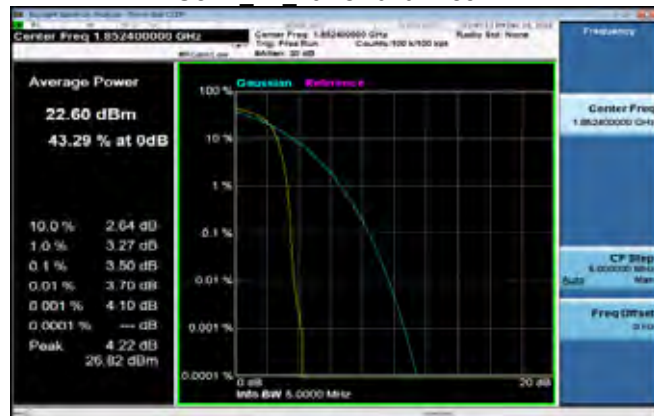
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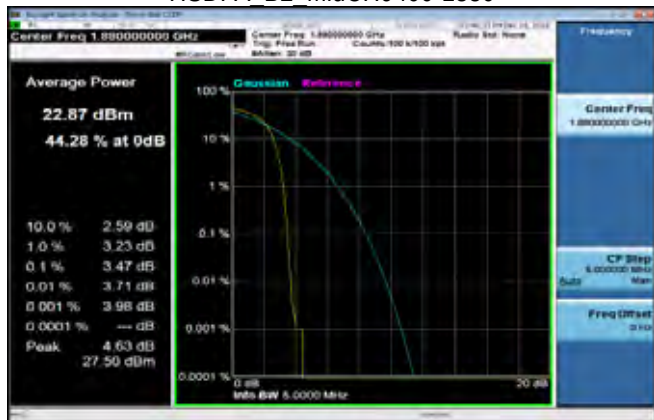
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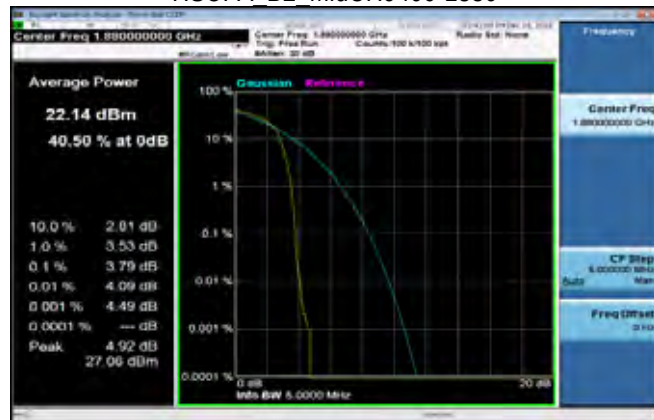
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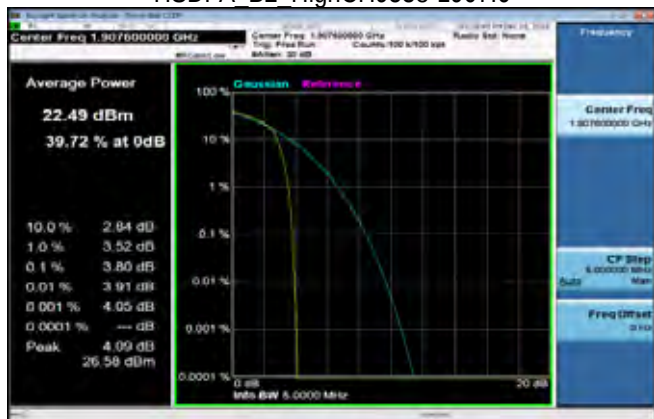
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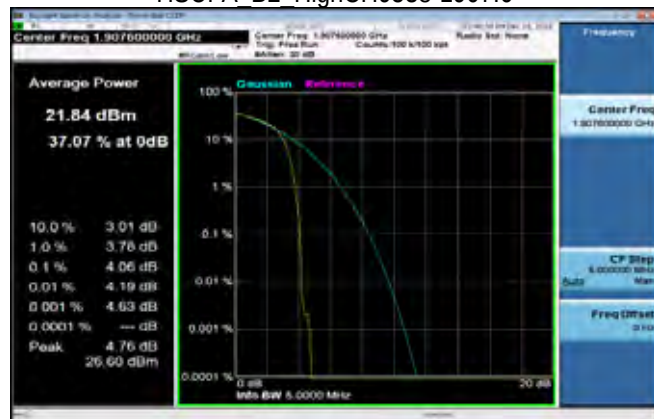
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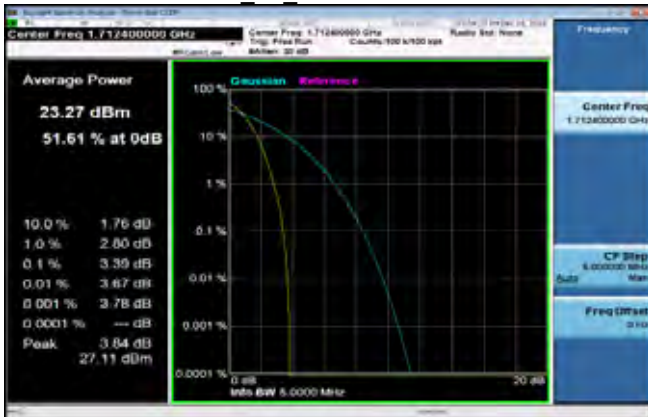
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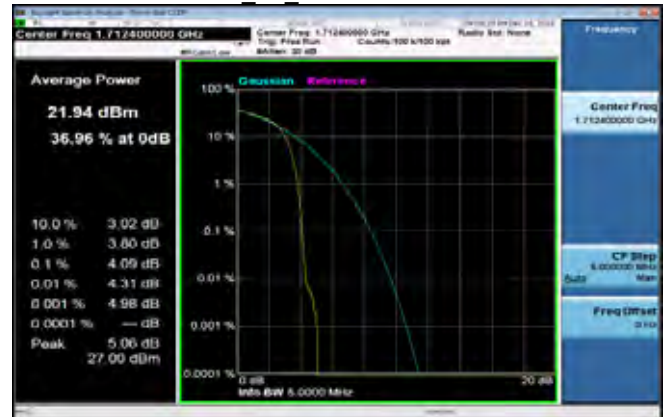
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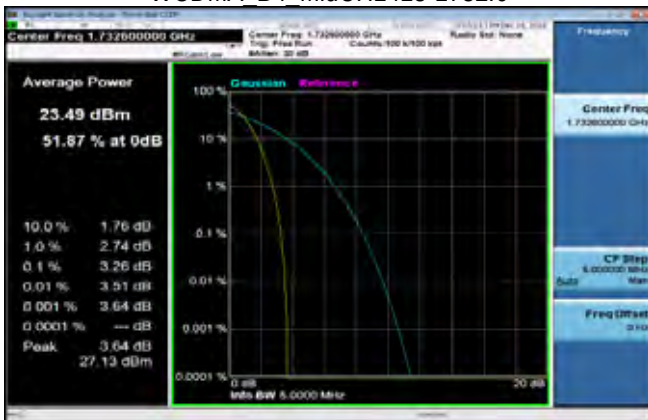
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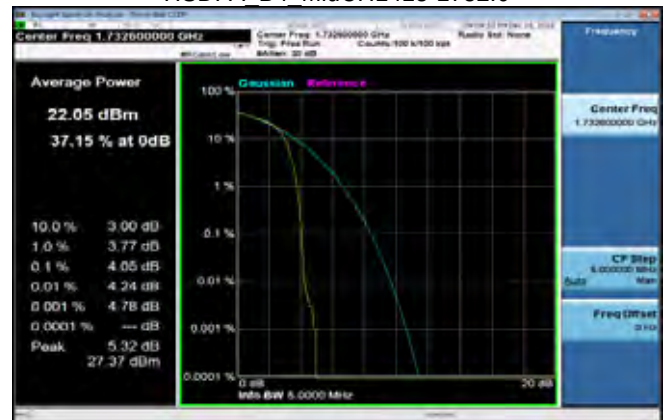
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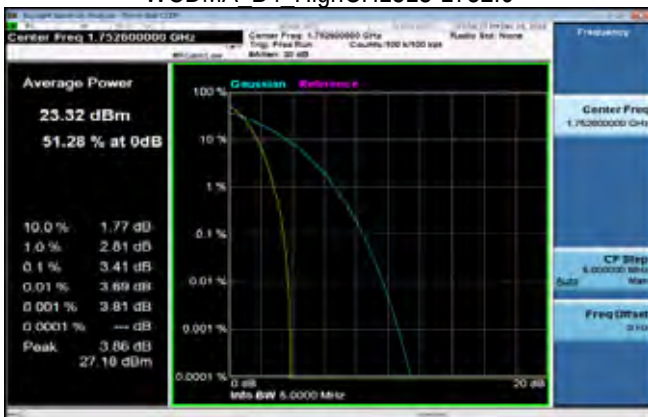
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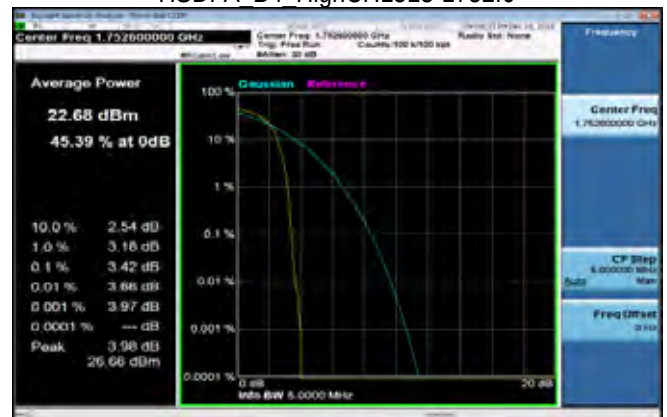
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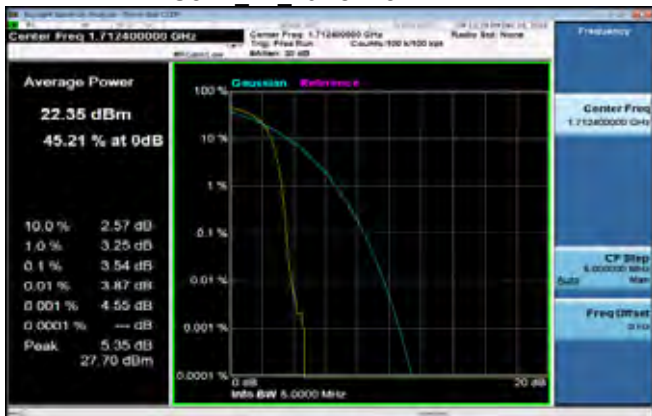
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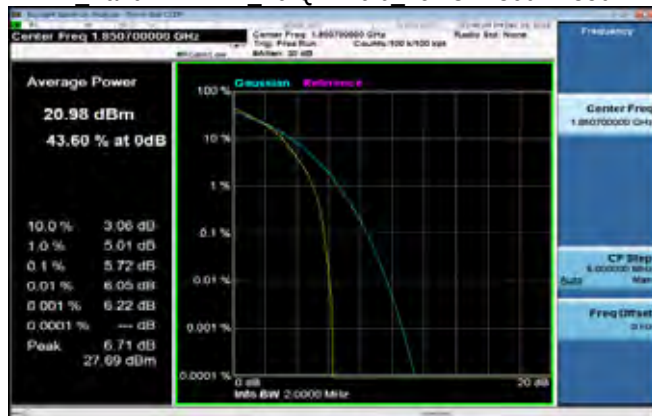
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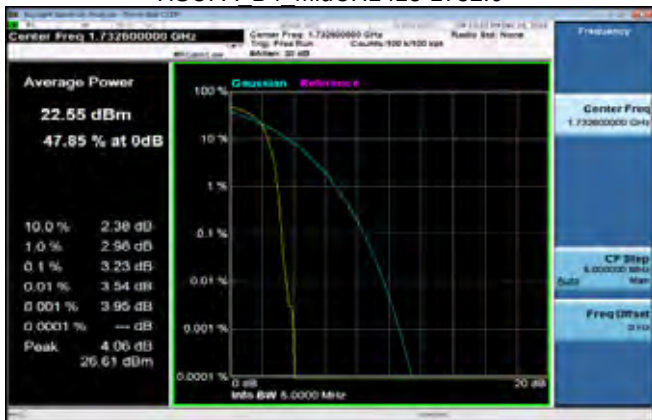
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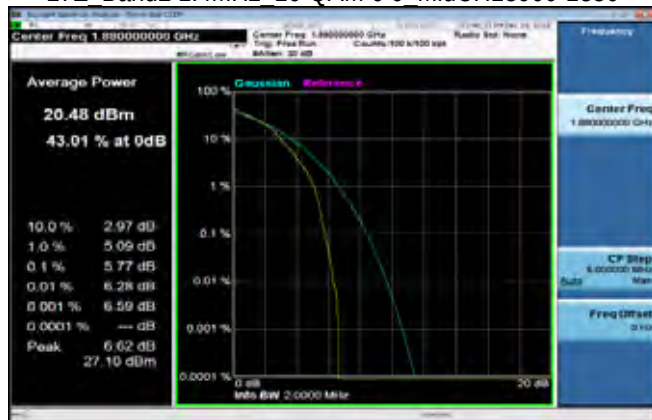
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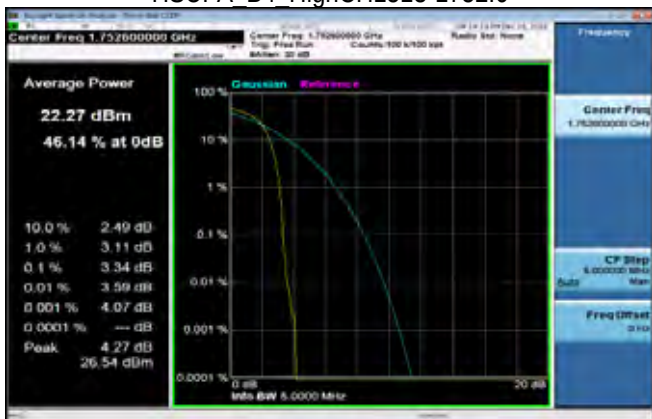
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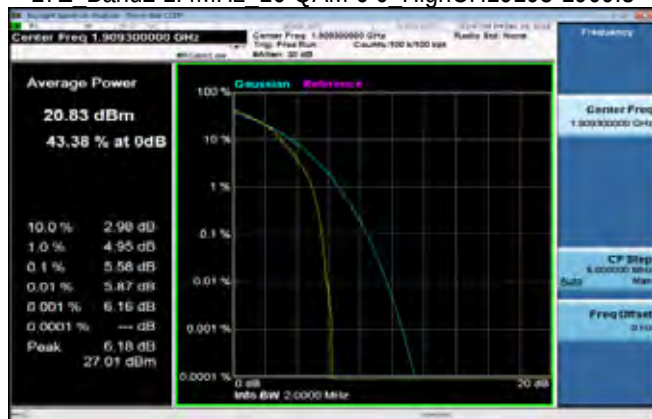
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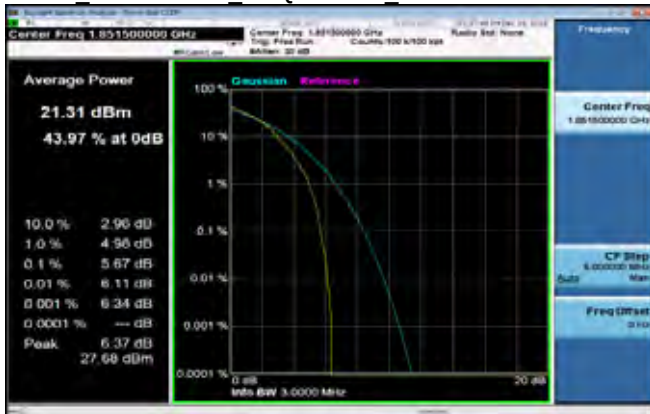
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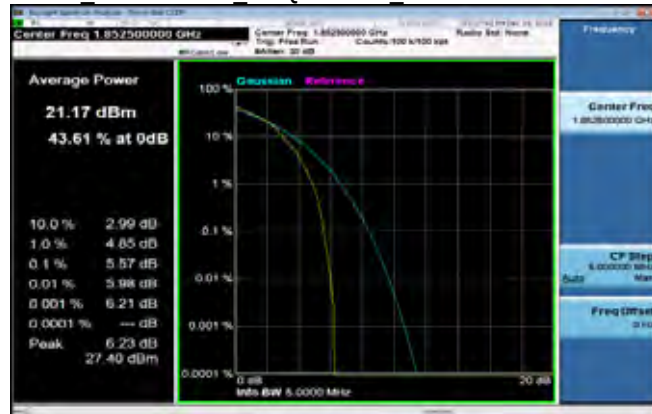
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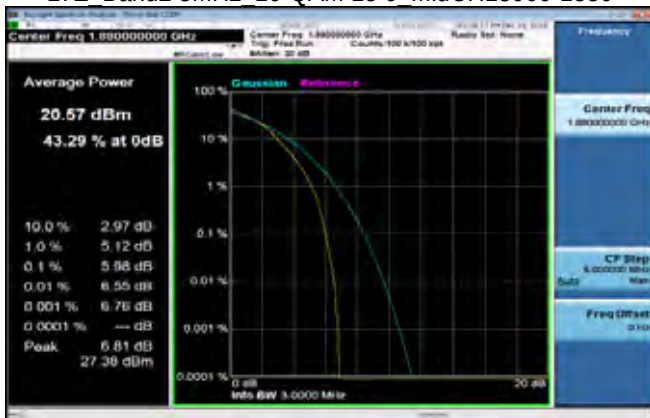
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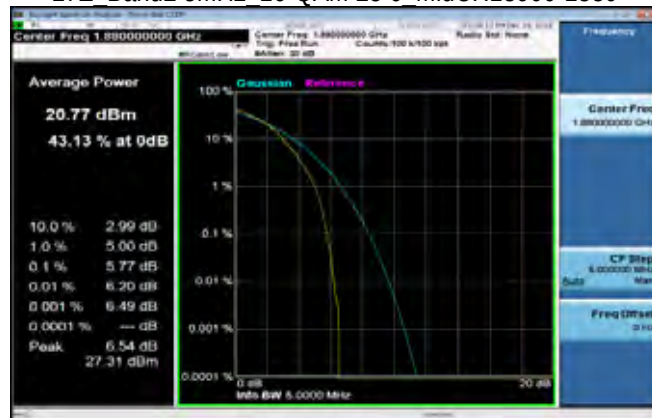
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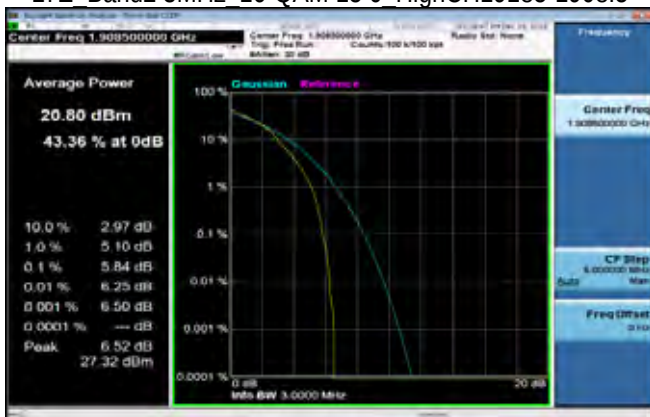
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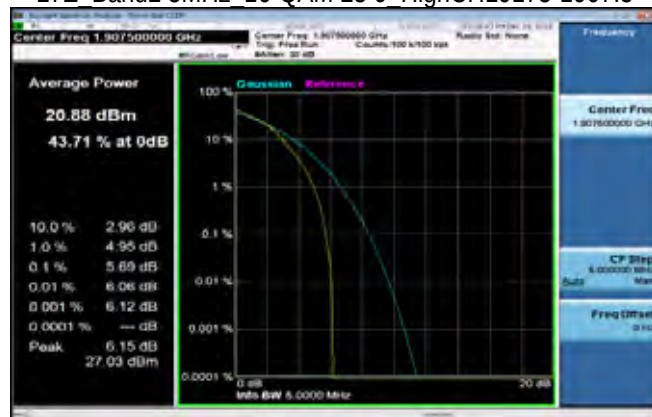
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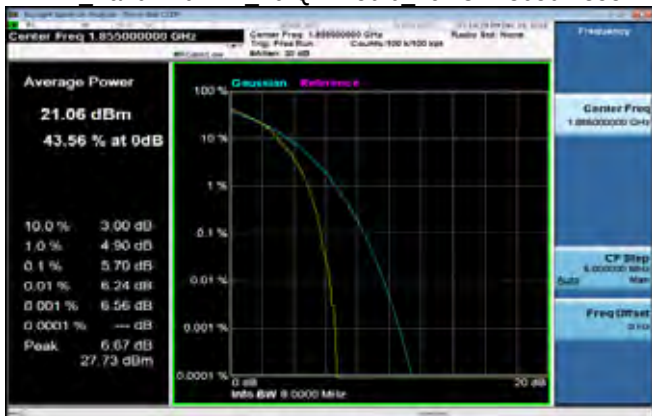
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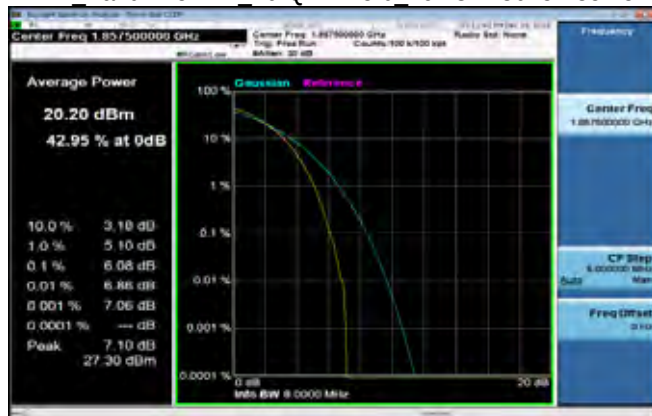
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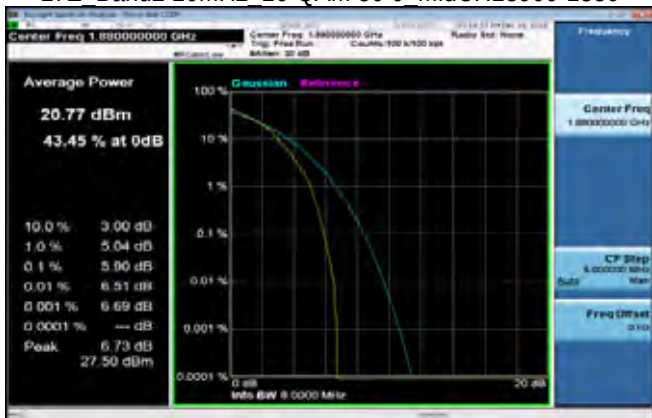
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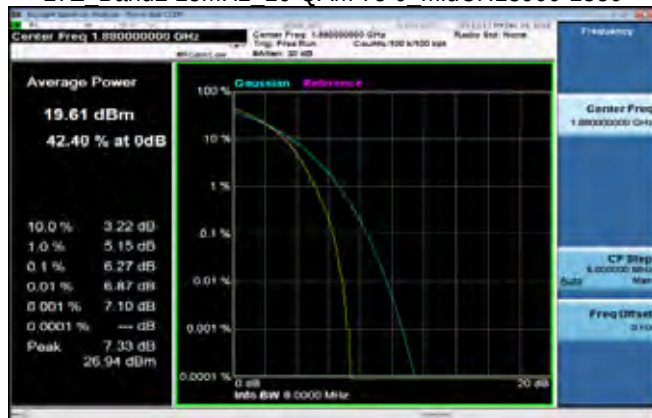
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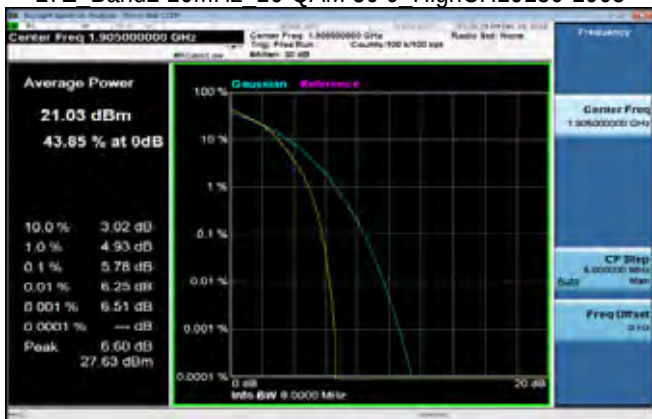
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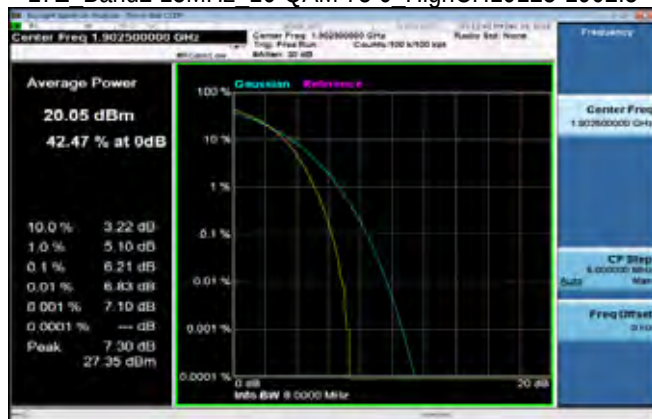
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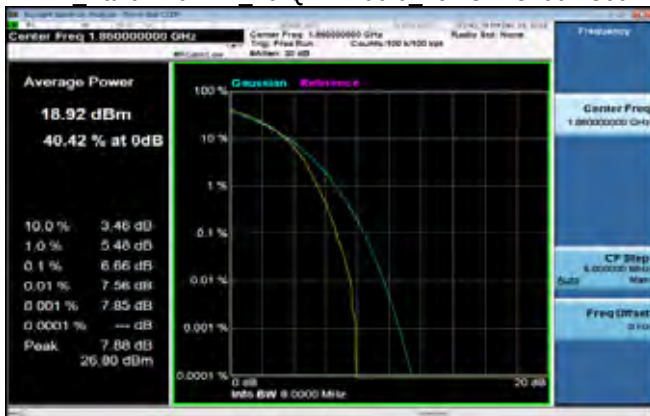
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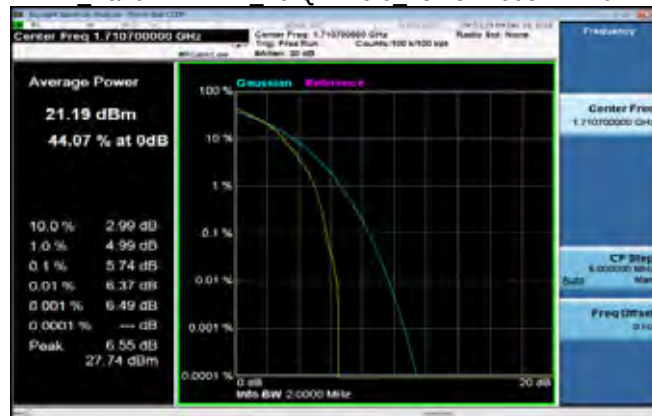
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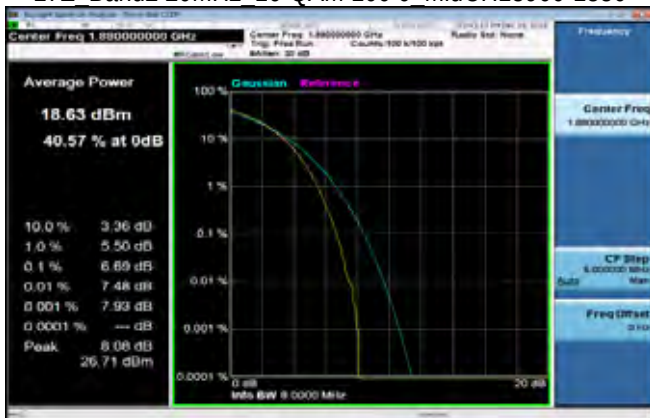
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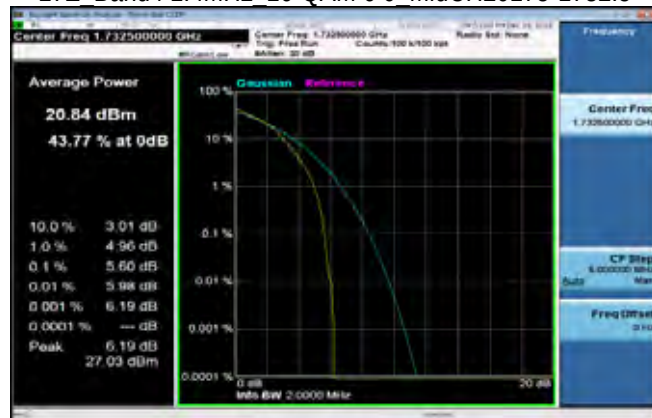
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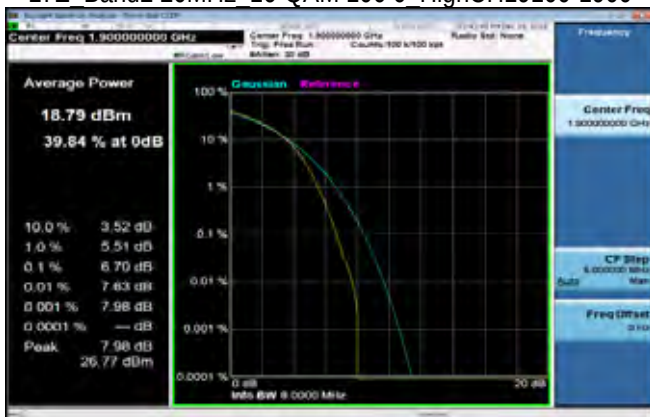
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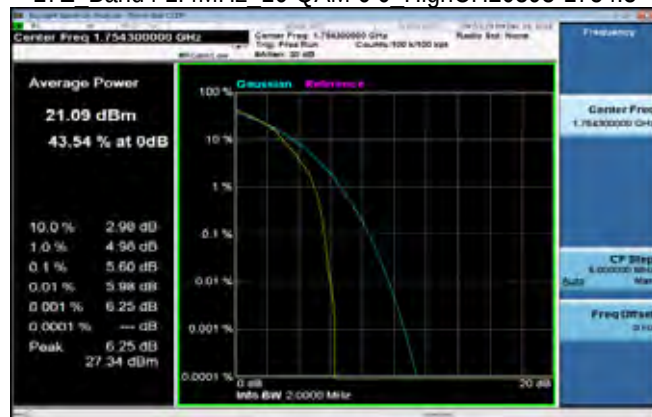
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LTE Band4 1.4MHz 16-QAM 6 0 HighCH20393-1754.3



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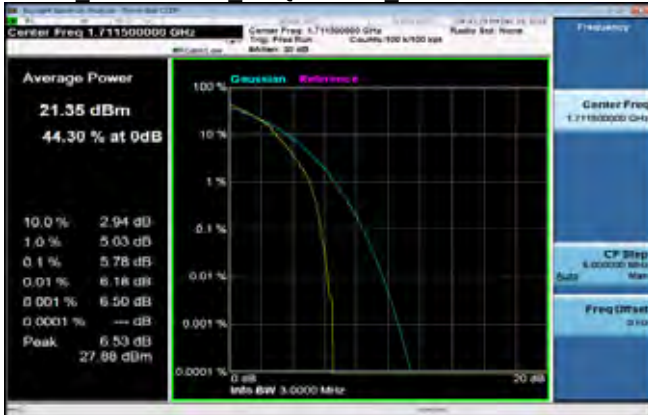
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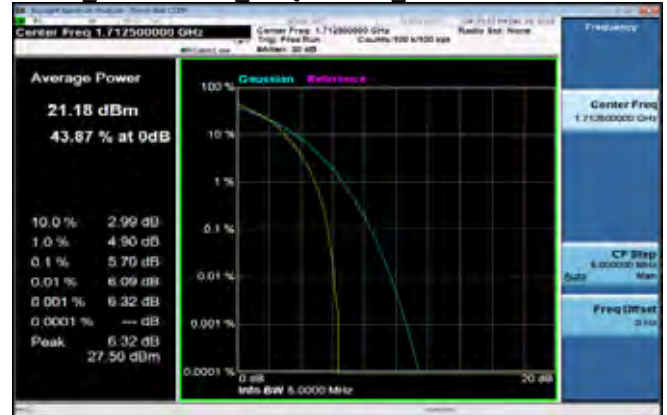
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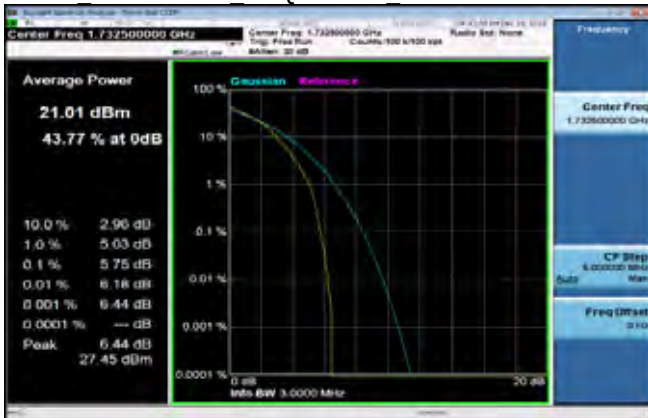
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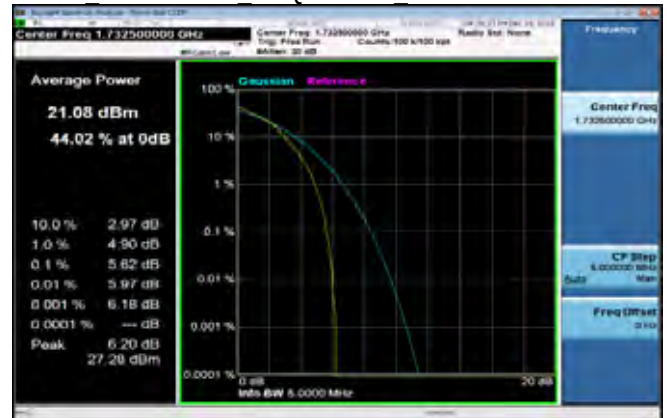
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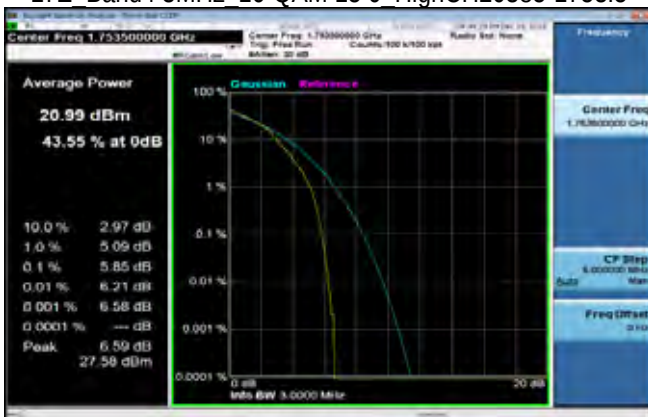
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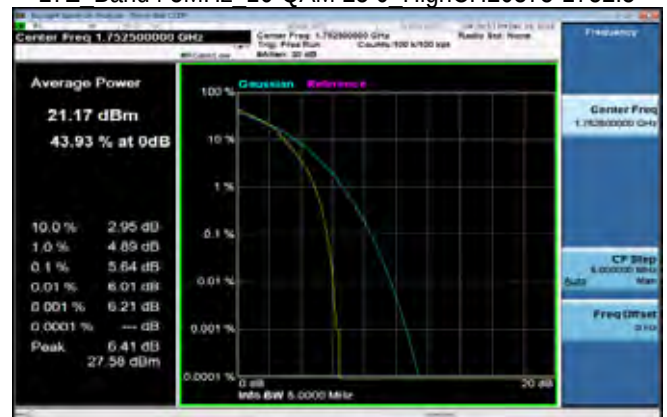
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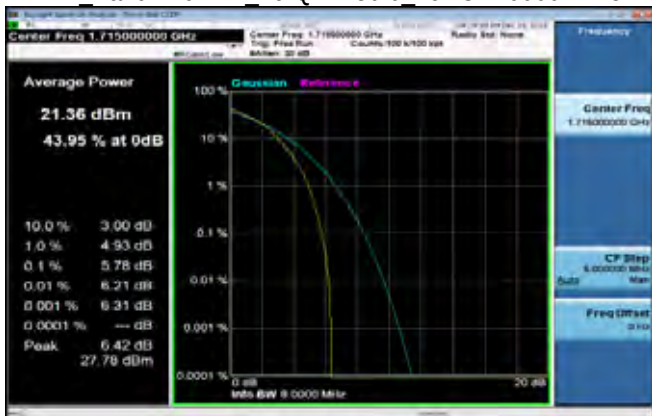
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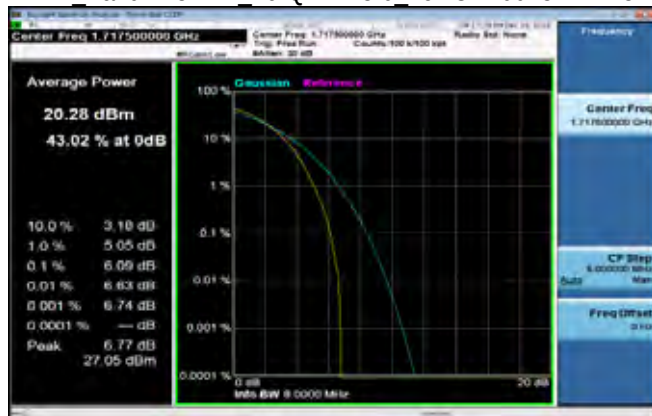
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LTE Band4 10MHz 16-QAM 50 0 MidCH20175-1732.5



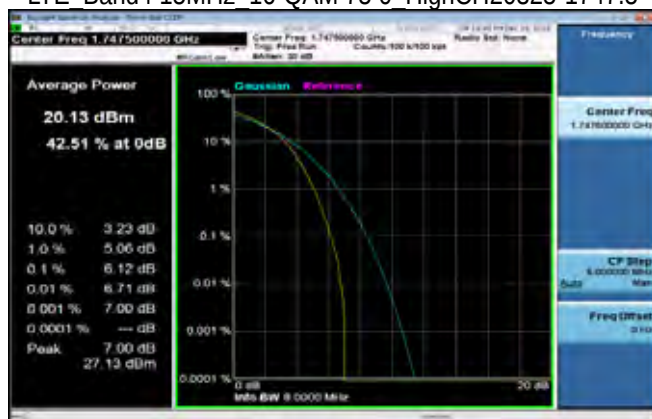
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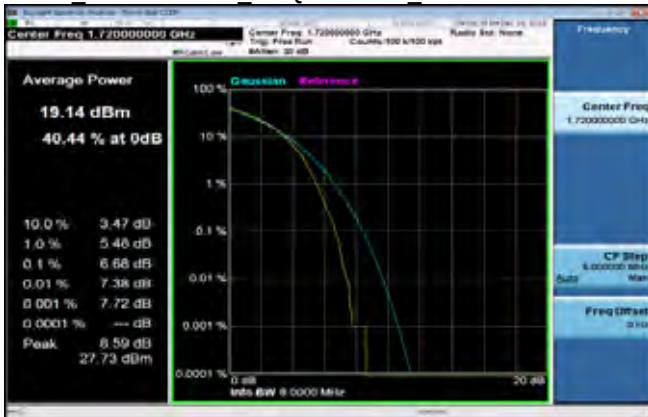
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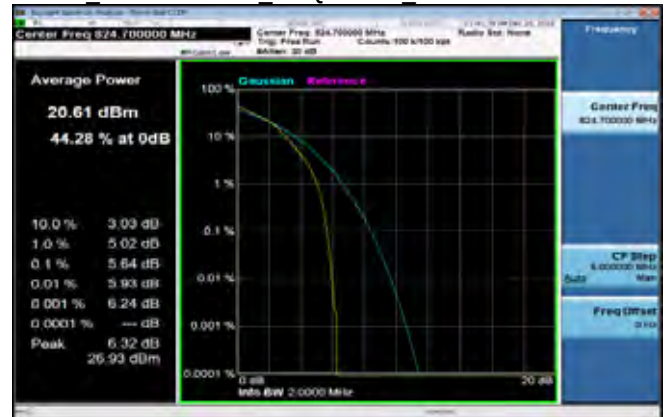
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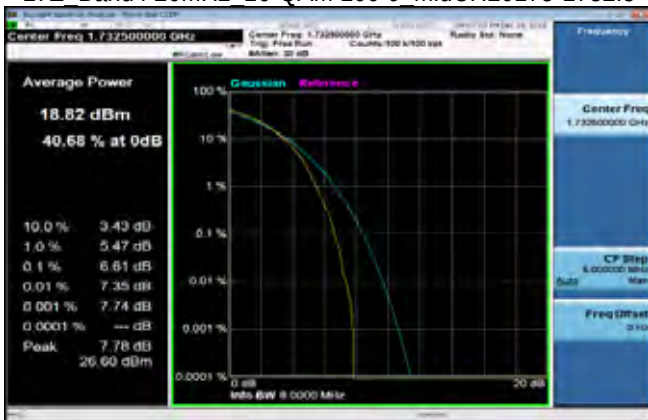
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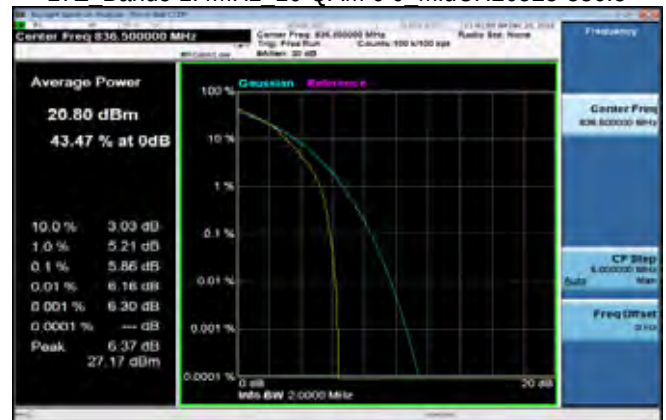
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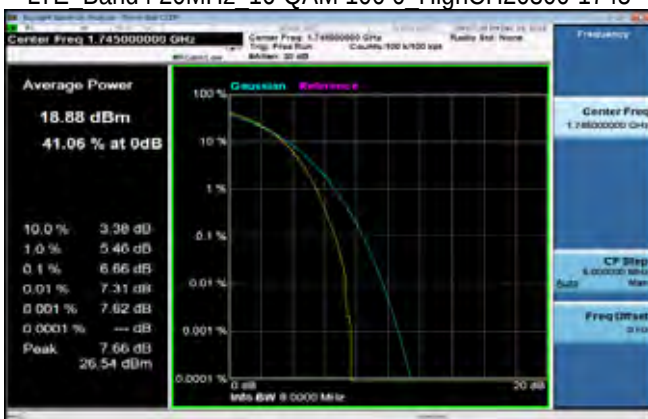
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LTE Band5 1.4MHz 16-QAM 6 0 MidCH20525-836.5



LTE Band4 20MHz 16-QAM 100 0 HighCH20300-1745



LTE Band5 1.4MHz 16-QAM 6 0 HighCH20643-848.3



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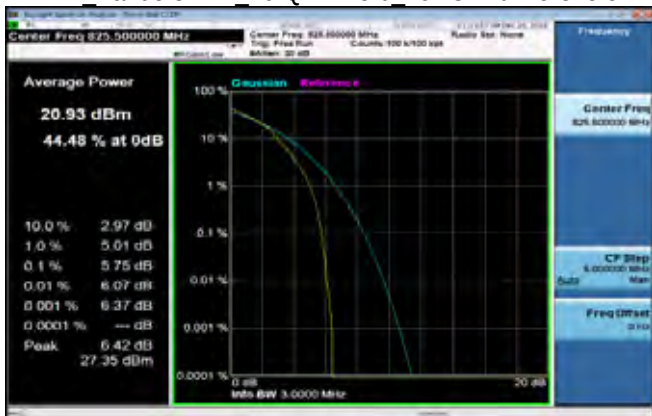
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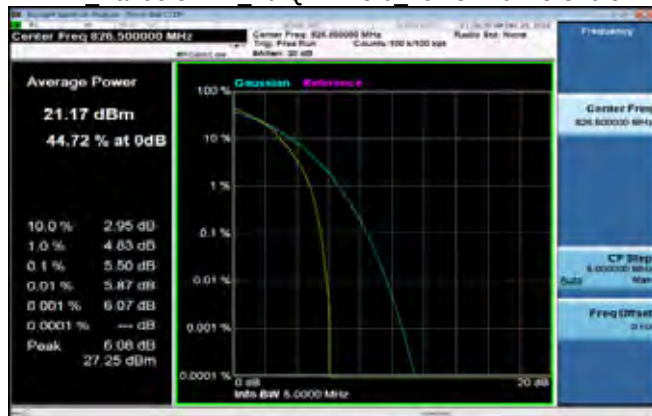
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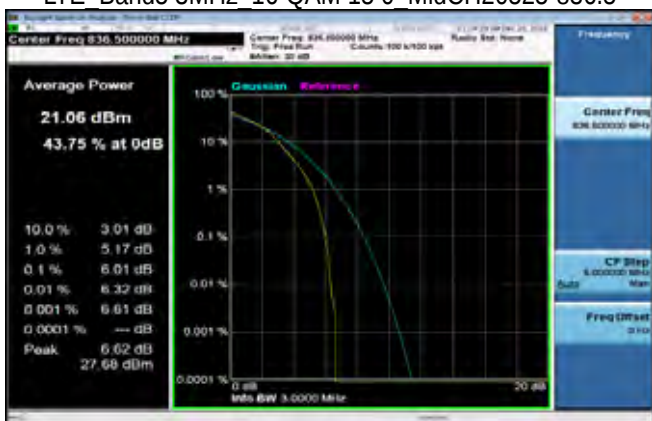
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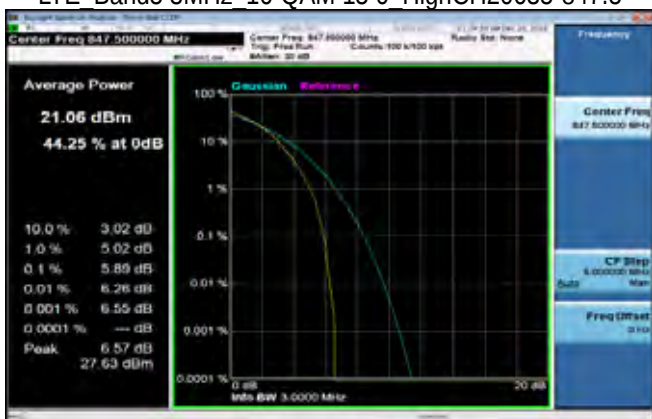
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LTE Band5 3MHz 16-QAM 15 0 HighCH20635-847.5



LTE Band5 5MHz 16-QAM 25 0 HighCH20625-846.5



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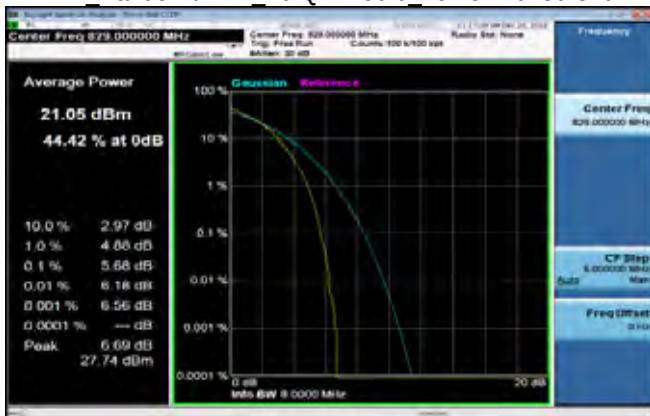
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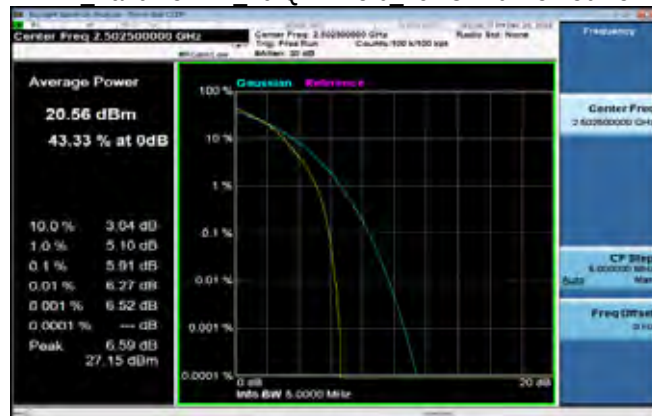
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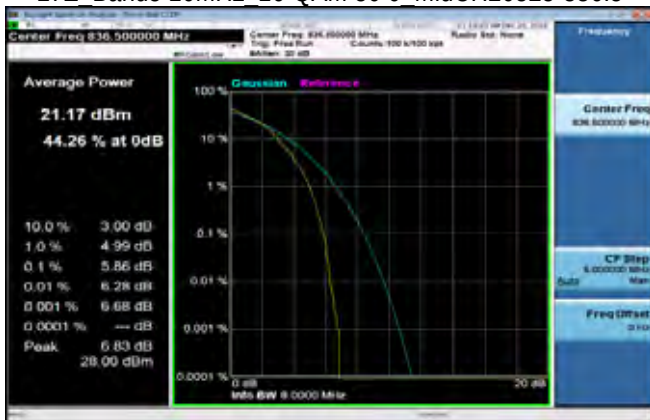
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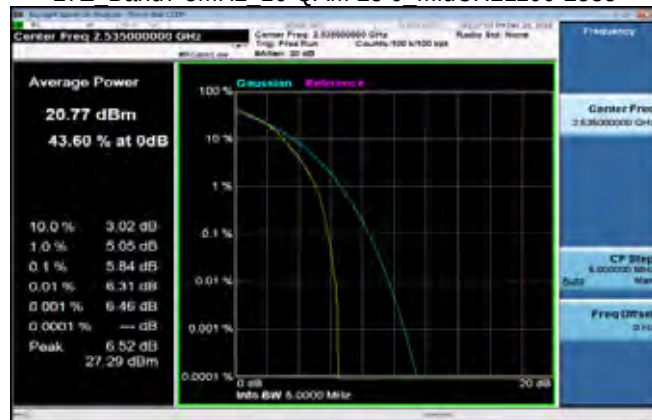
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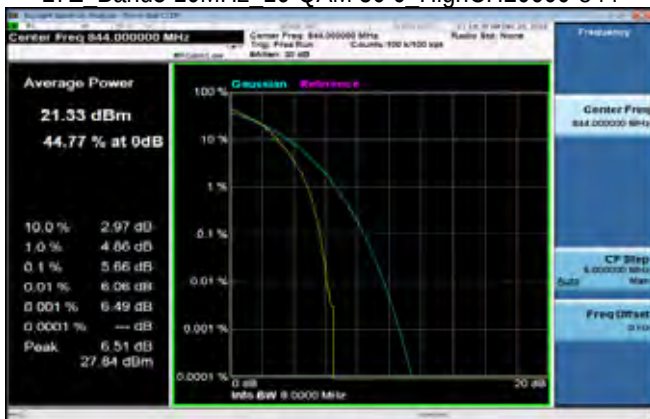
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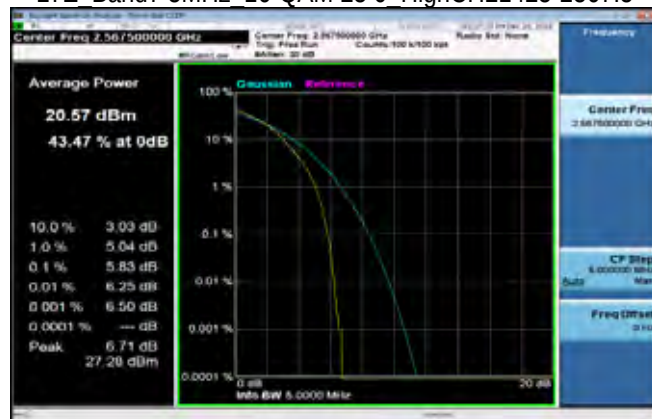
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LTE Band5 10MHz 16-QAM 50 0 HighCH20600-844



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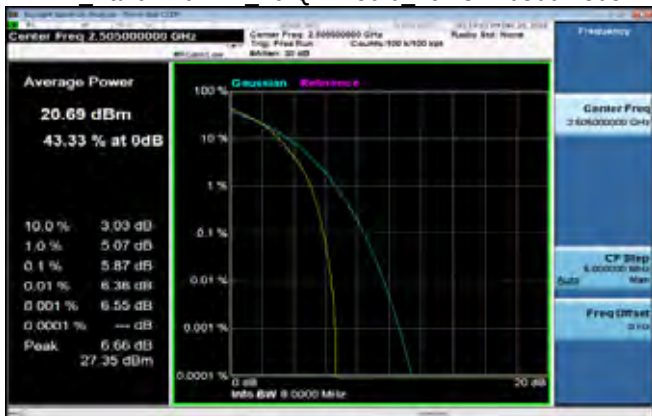
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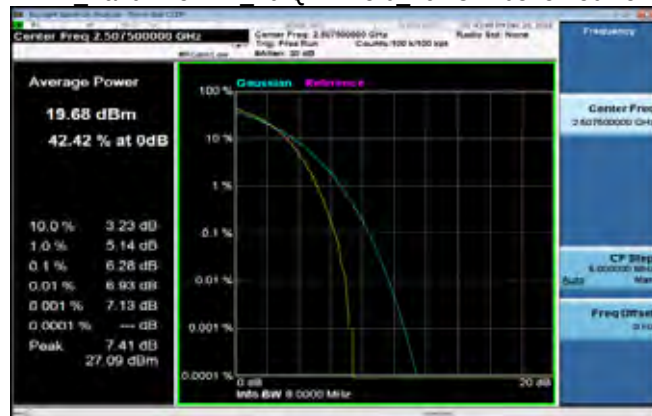
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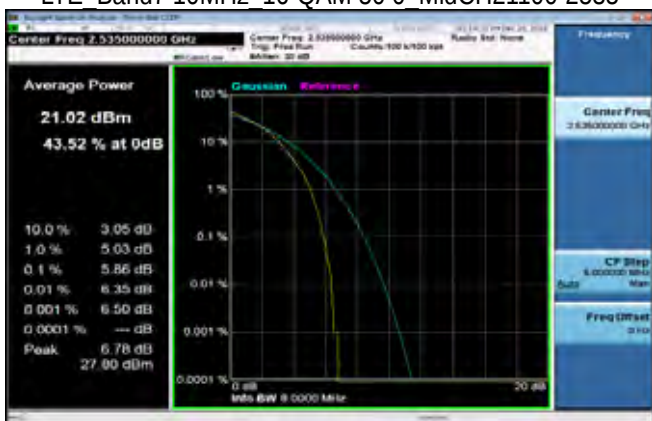
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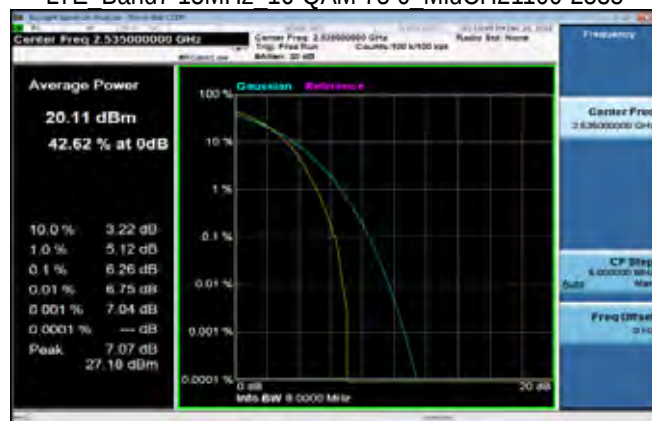
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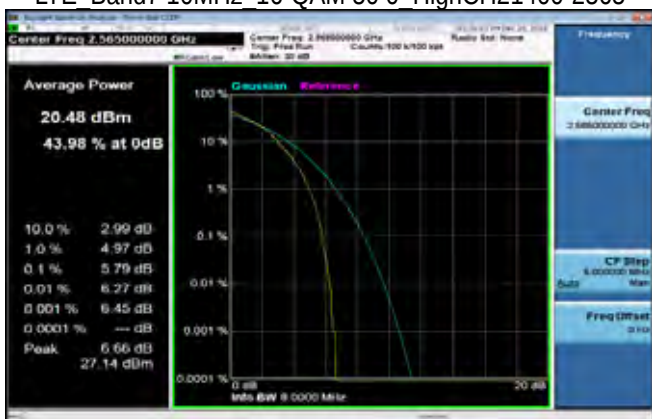
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LTE Band7 15MHz 16-QAM 75 0 HighCH21375-2562.5



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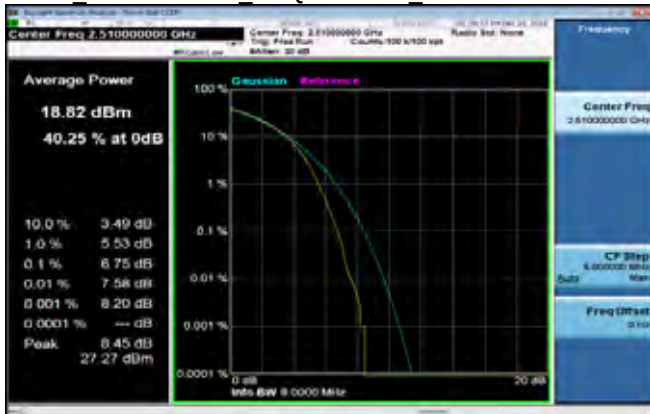
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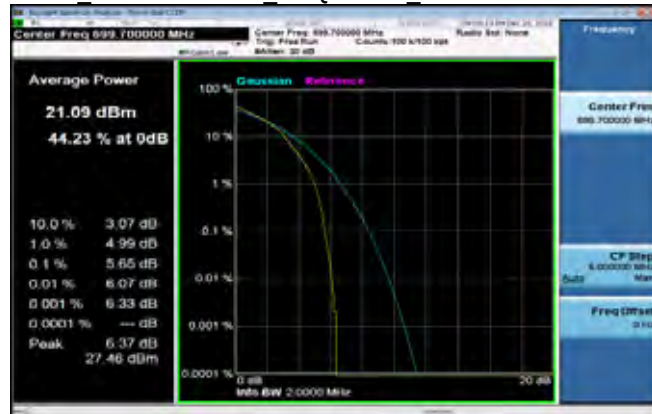
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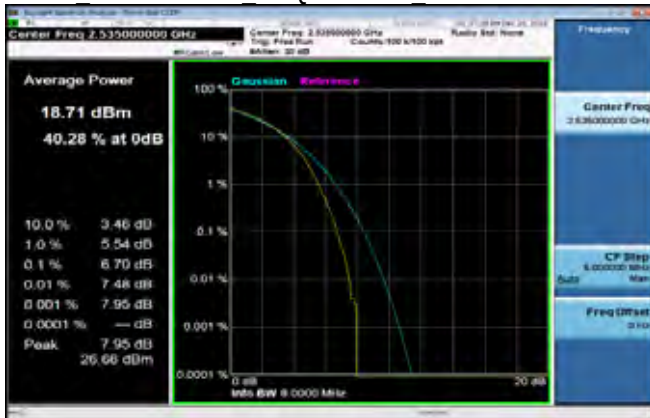
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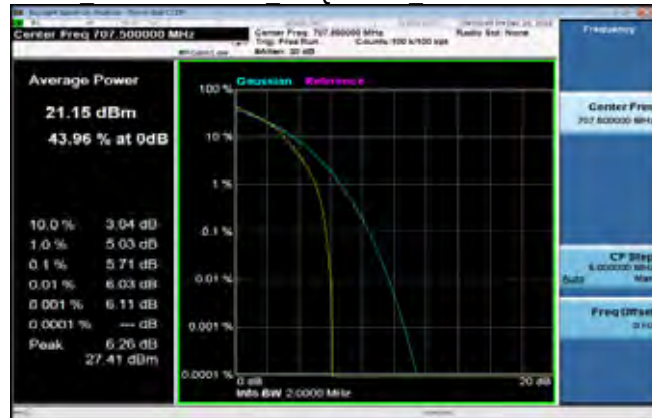
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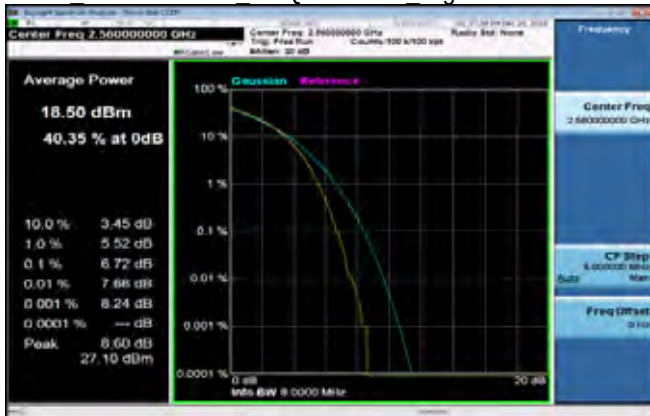
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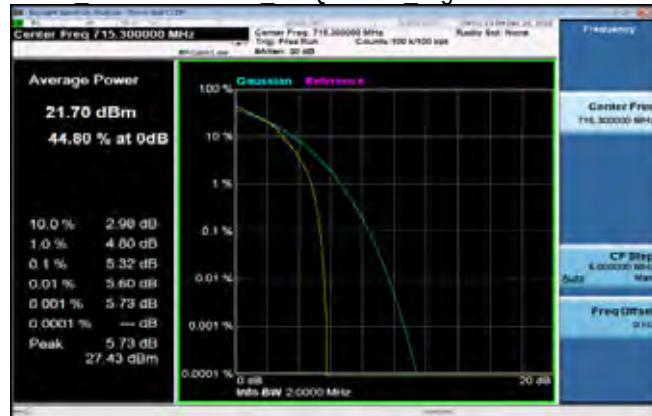
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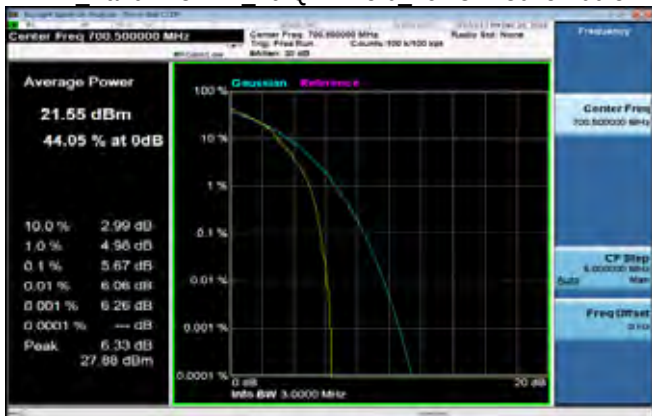
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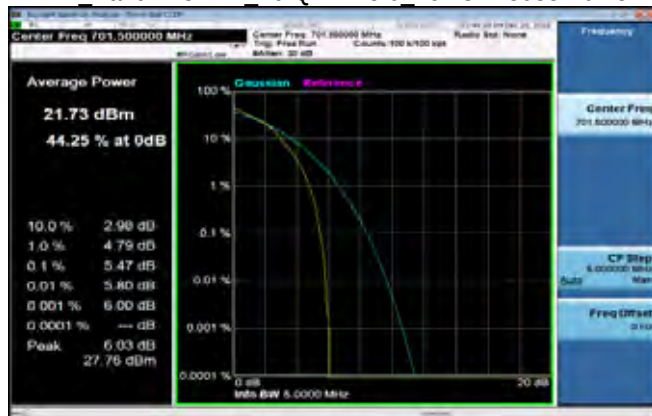
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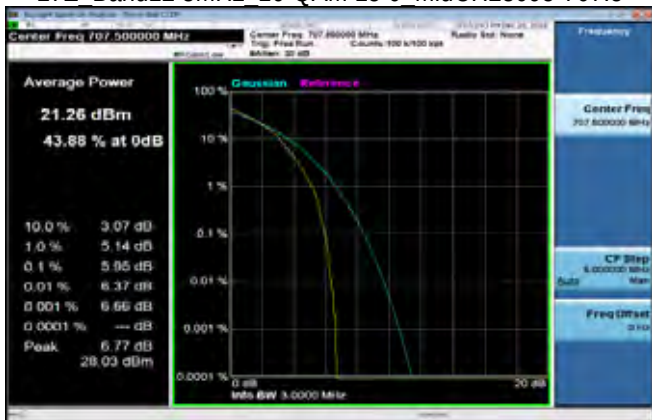
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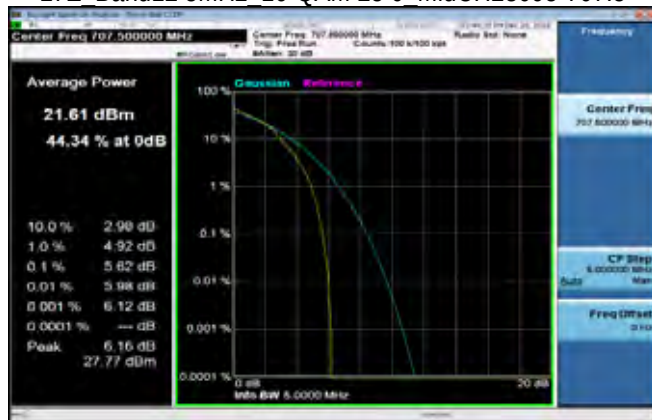
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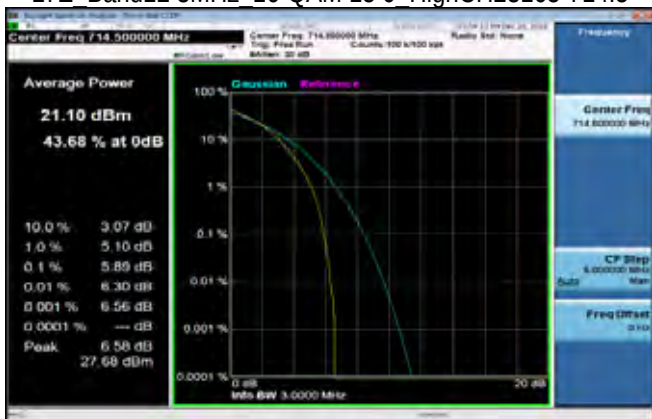
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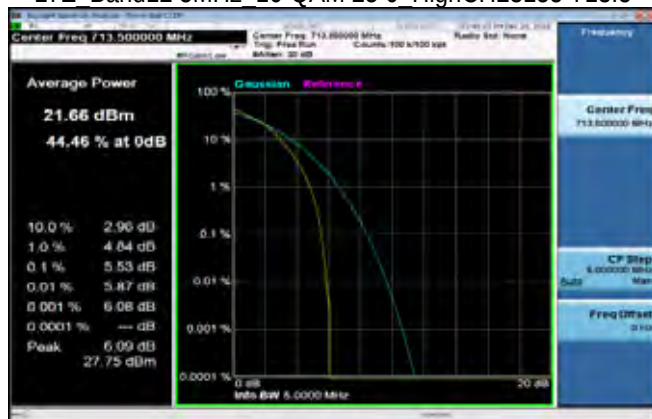
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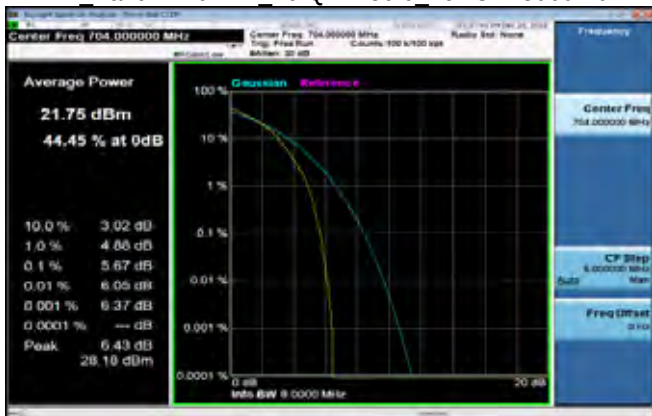
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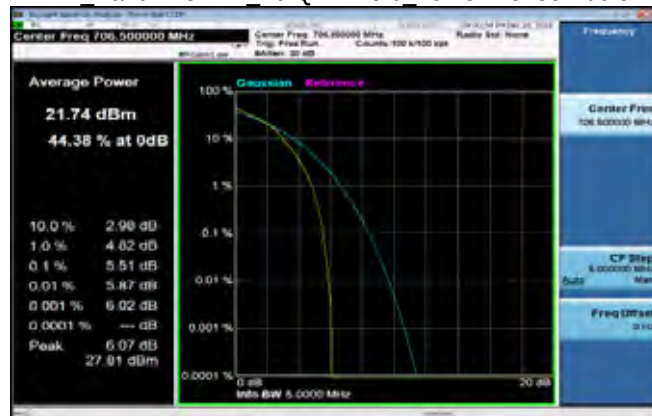
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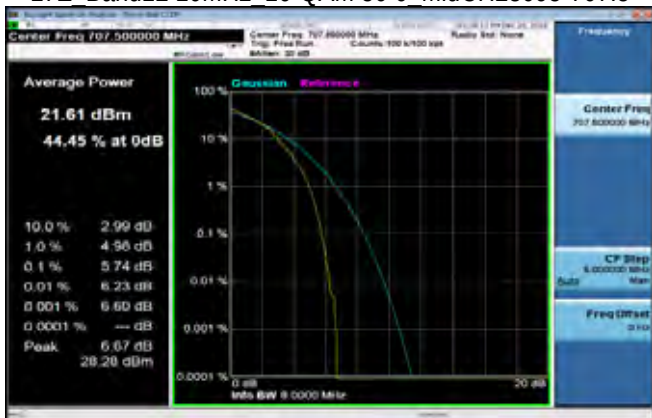
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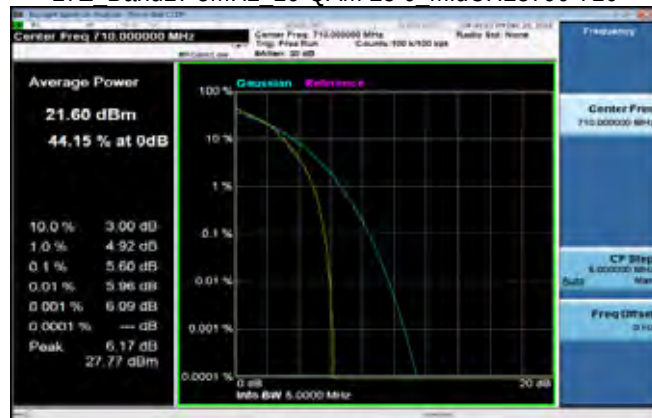
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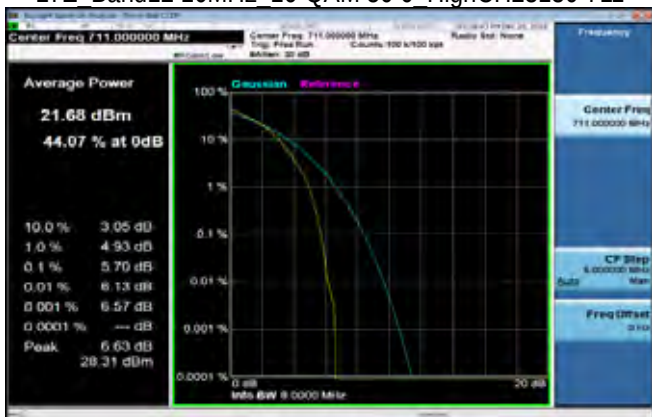
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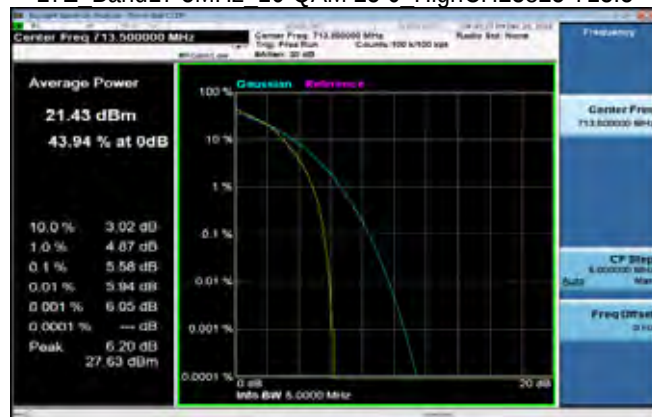
LTE Band17 5MHz 16-QAM 25 0 MidCH23790-710



LTE Band12 10MHz 16-QAM 50 0 HighCH23130-711



LTE Band17 5MHz 16-QAM 25 0 HighCH23825-713.5



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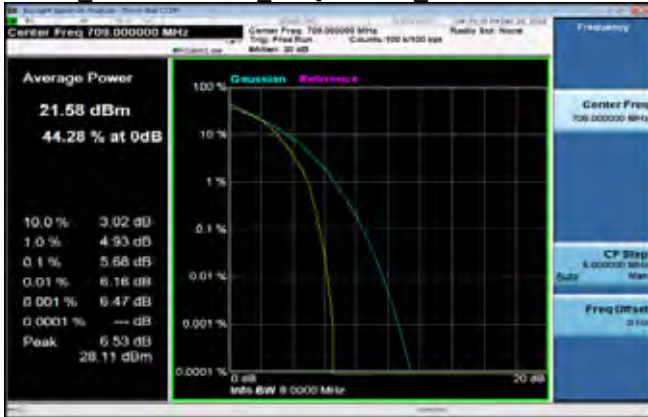
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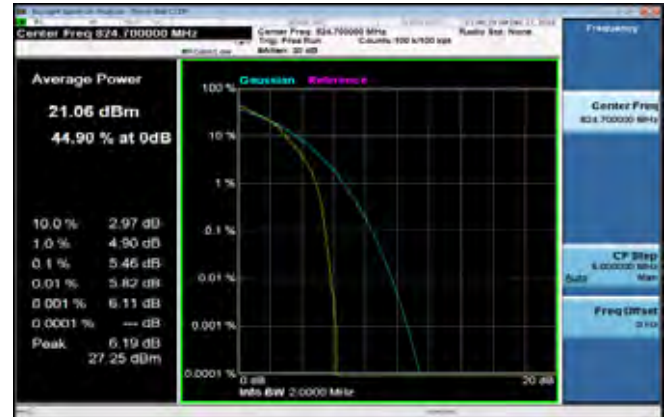
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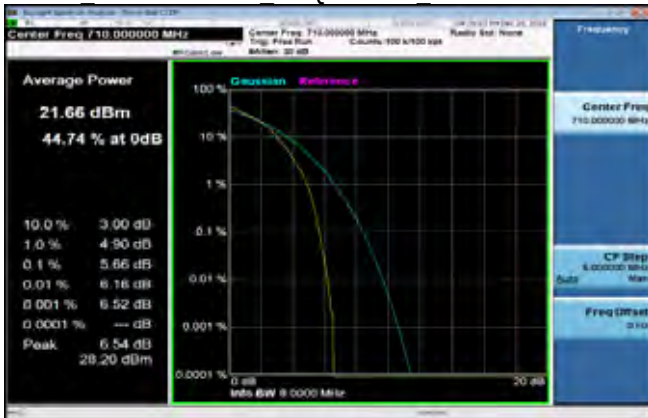
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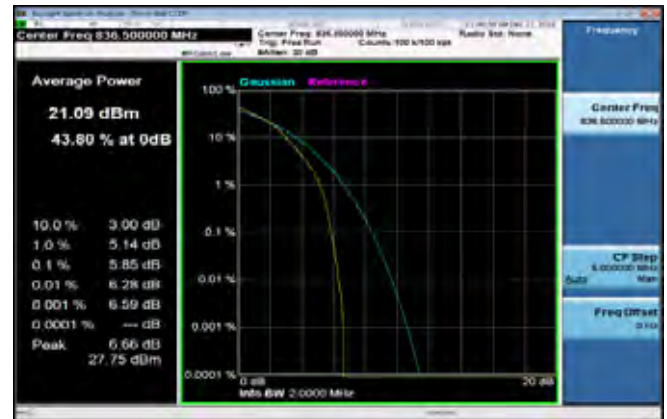
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Channel Low



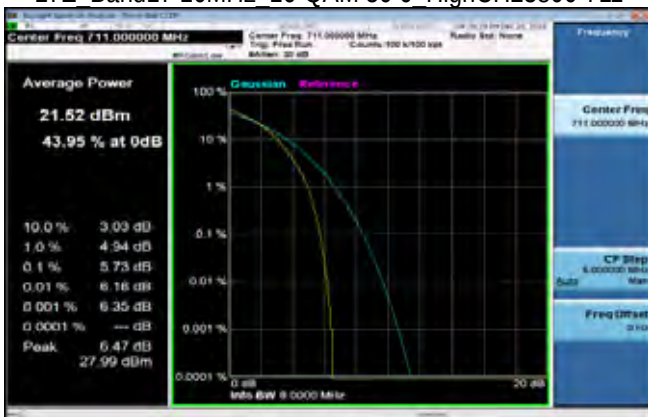
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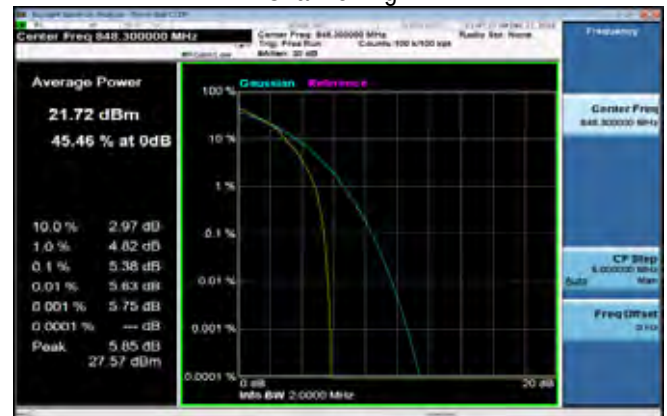
1.4MHz BW LTE-Band 26(16QAM Number: 6 Offset: 0)
Channel Mid



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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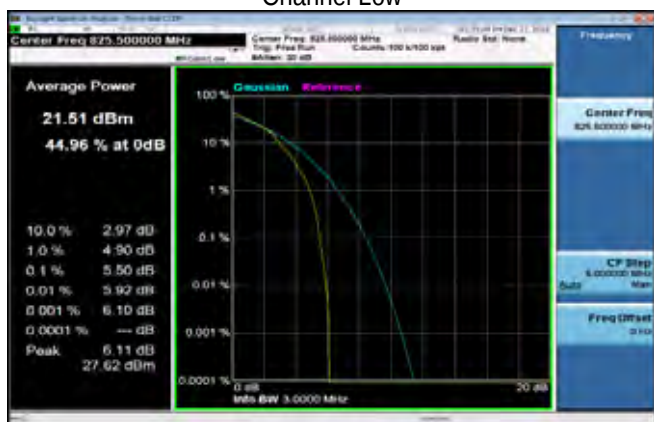
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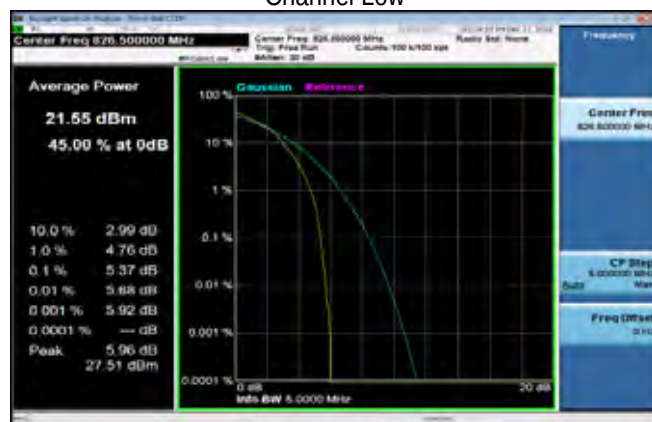
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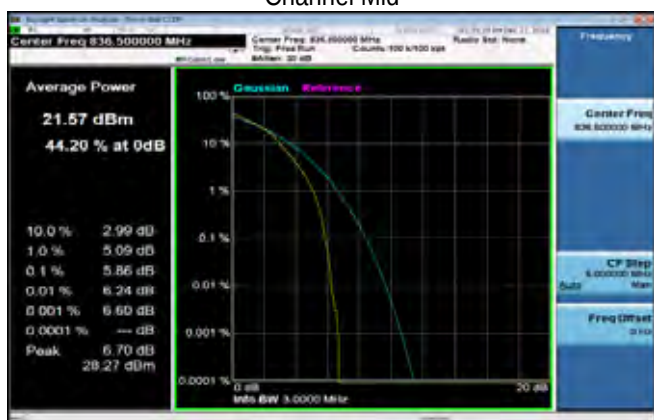
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Channel Low



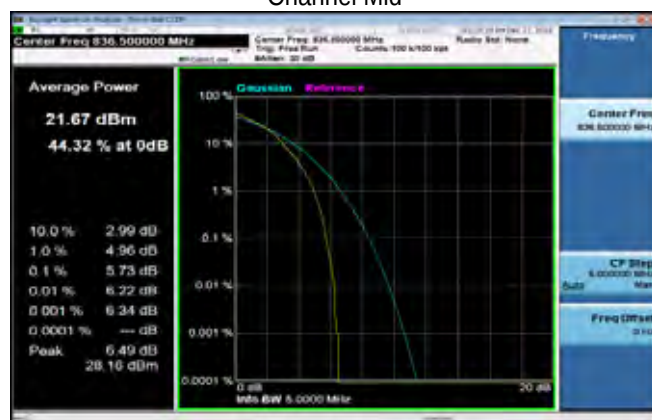
5MHz BW LTE-Band 26(16QAM Number: 25 Offset: 0)
Channel Low



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



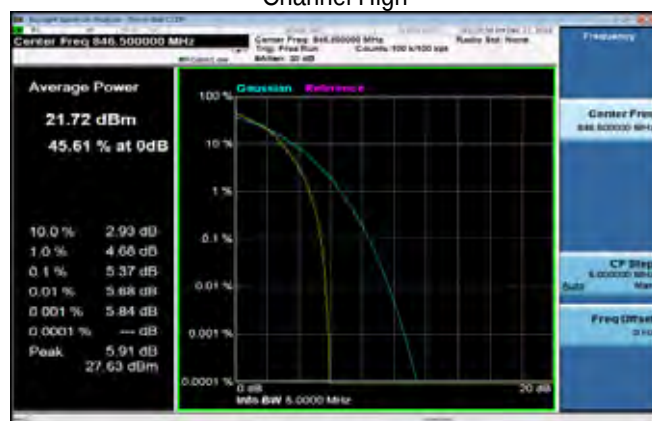
5MHz BW LTE-Band 26(16QAM Number: 25 Offset: 0)
Channel Mid



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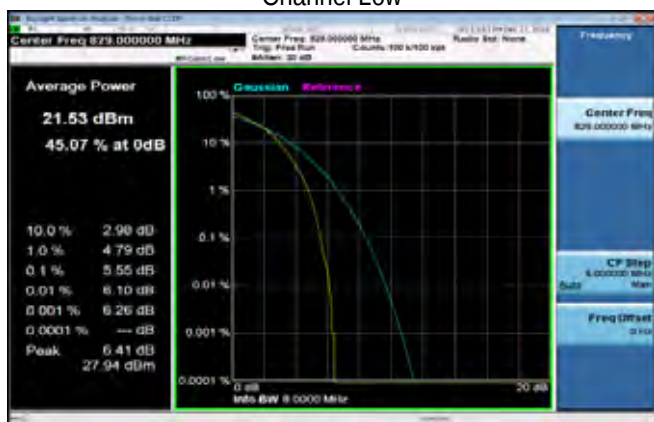
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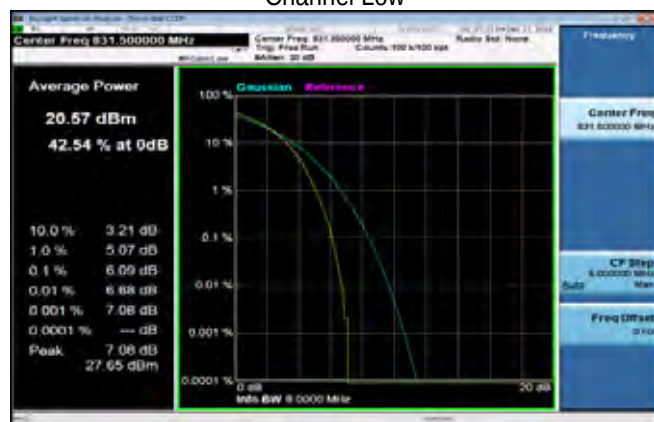
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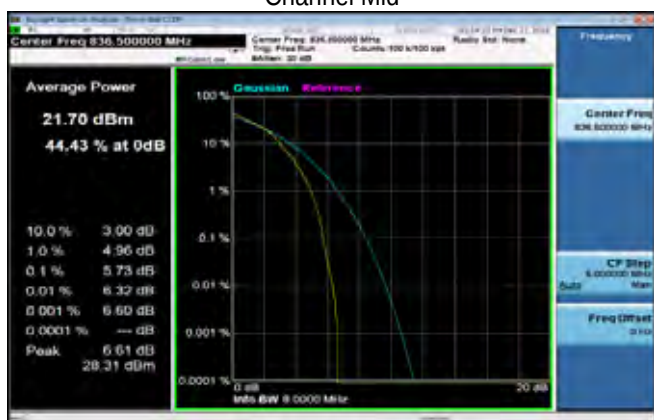
10MHz BW LTE-Band 26(16QAM Number: 50 Offset: 0)
Channel Low



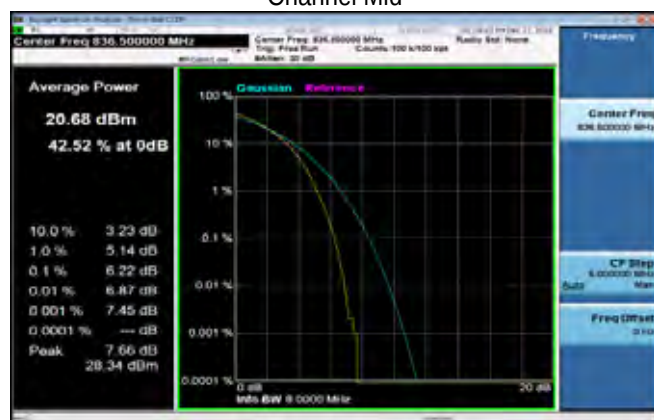
15MHz BW LTE-Band 26(16QAM Number: 75 Offset: 0)
Channel Low



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



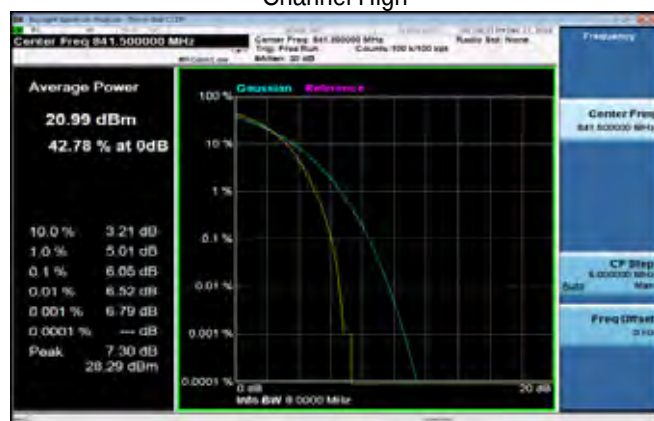
15MHz BW LTE-Band 26(16QAM Number: 75 Offset: 0)
Channel Mid



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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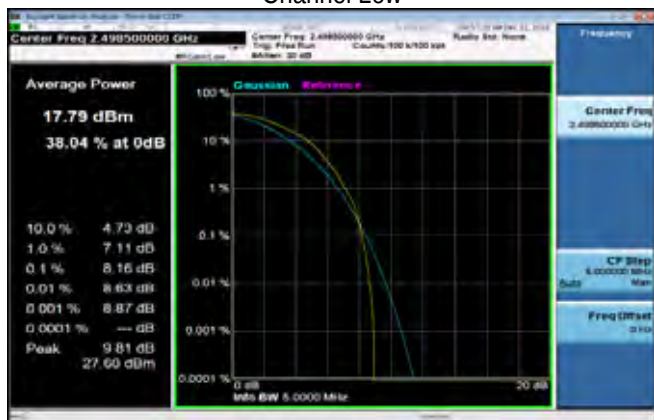
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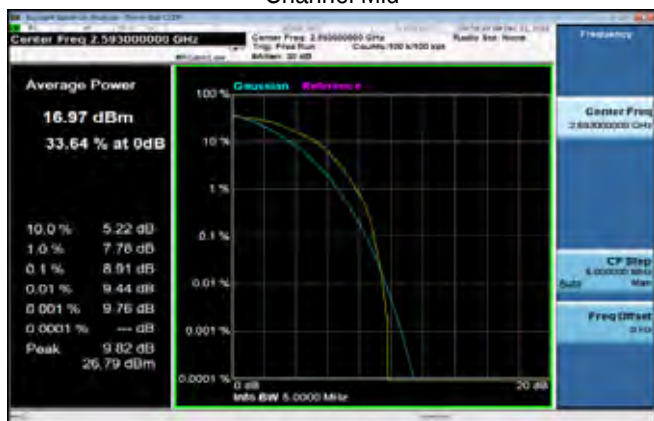
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Channel Low



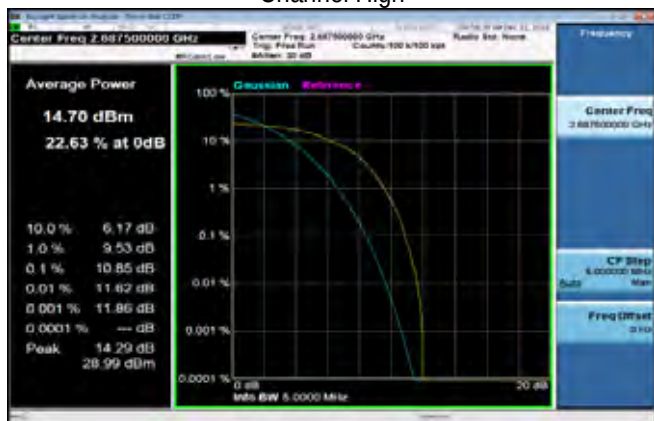
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Channel Mid



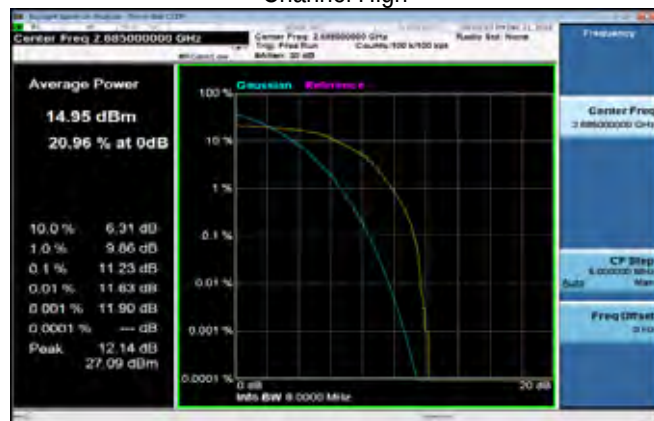
10MHz BW LTE-Band 41(16QAM Number: 50 Offset: 0)
Channel Mid



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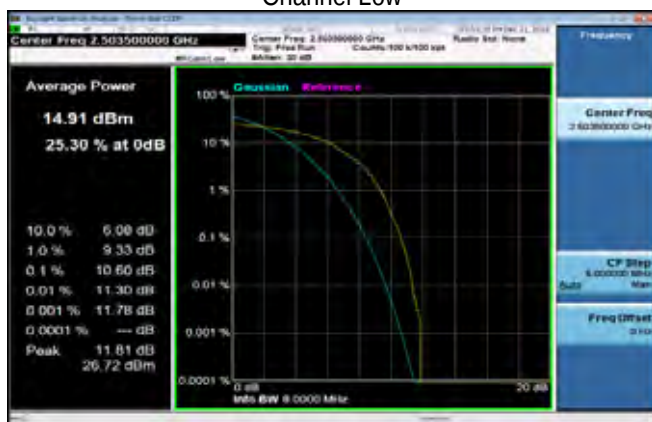
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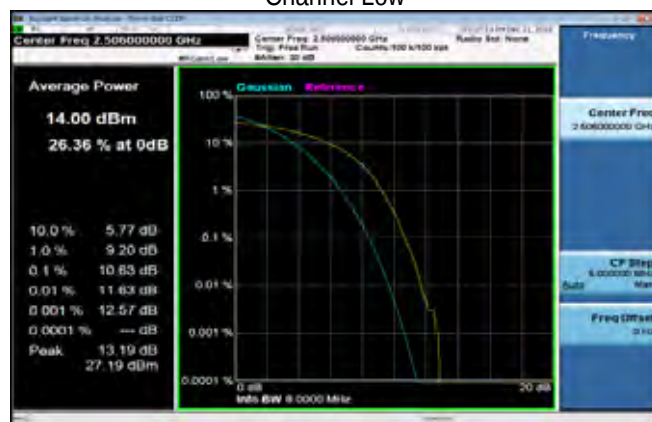
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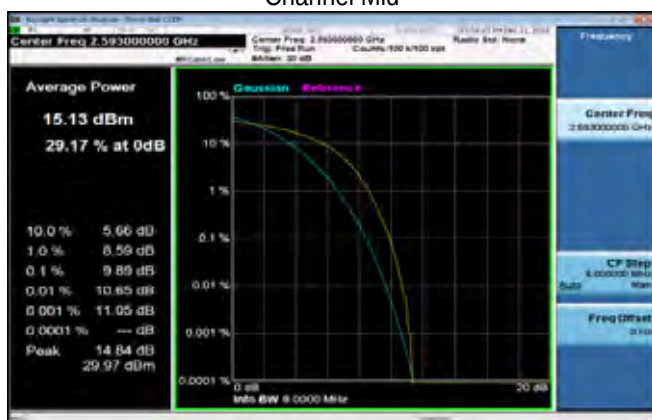
15MHz BW LTE-Band 41(16QAM Number: 75 Offset: 0)
Channel Low



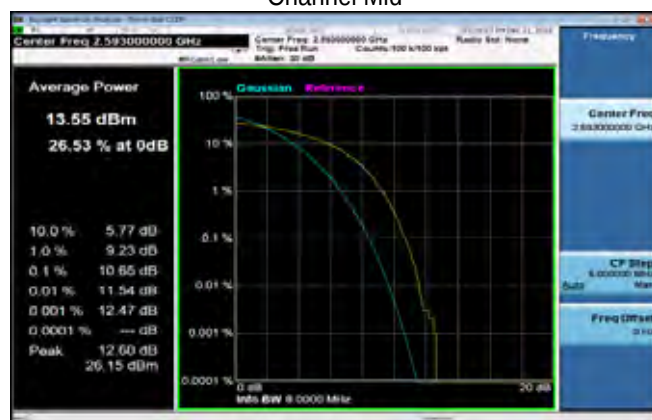
20MHz BW LTE-Band 41(16QAM Number: 100 Offset: 0)
Channel Low



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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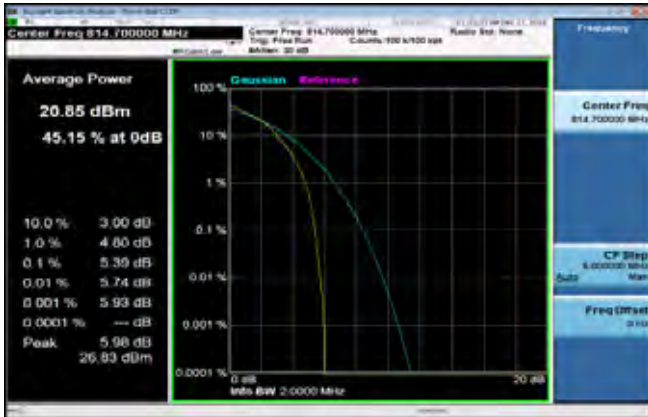
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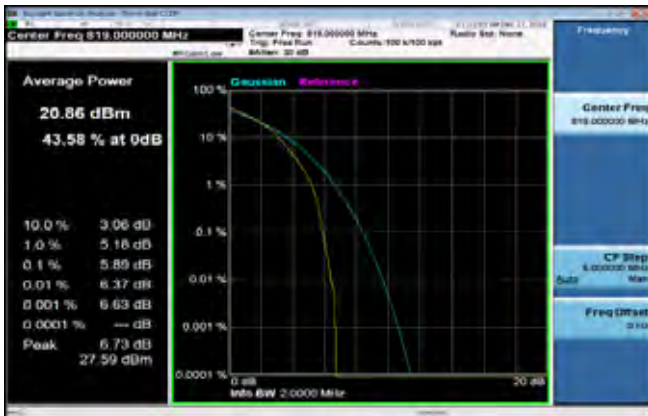
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LTE-Band 26 for Part 90S

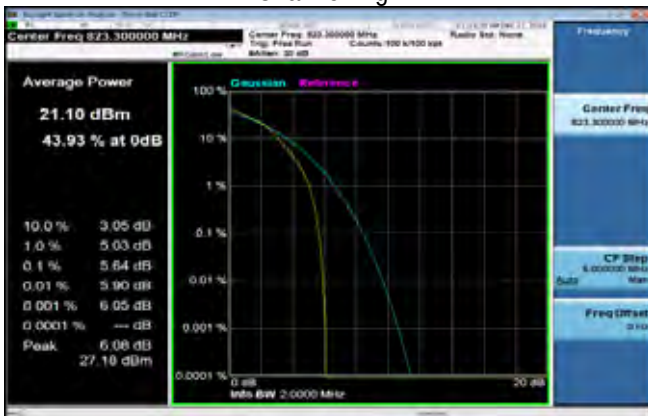
1.4MHz BW LTE-Band 26 (16QAM Number: 6 Offset: 0) Channel Low



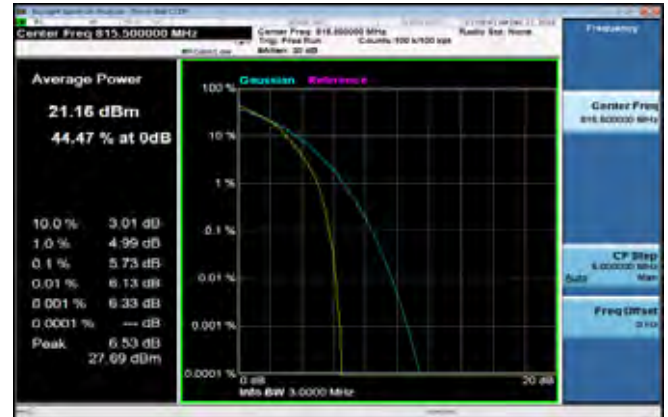
1.4MHz BW LTE-Band 26 (16QAM Number: 6 Offset: 0) Channel Mid



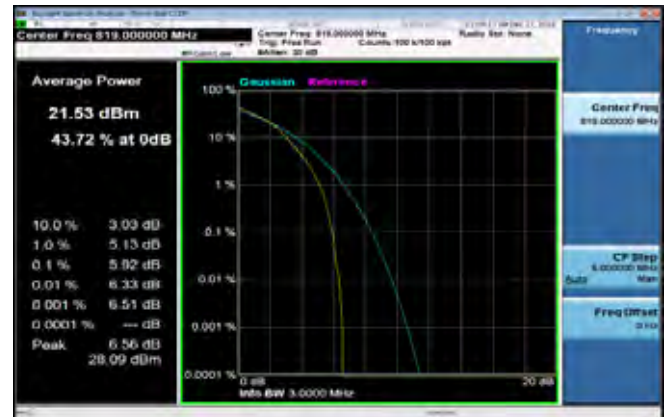
1.4MHz BW LTE-Band 26 (16QAM Number: 6 Offset: 0) Channel High



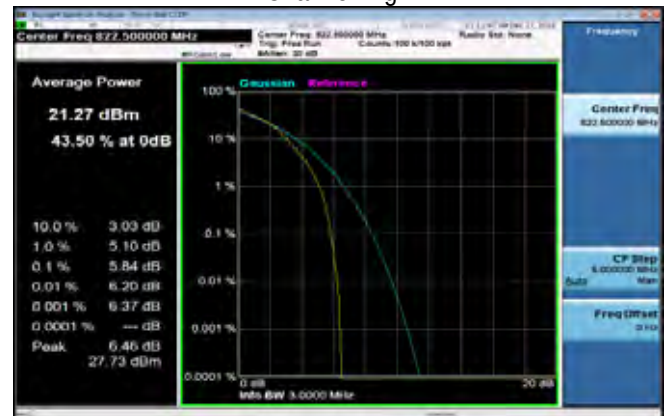
3MHz BW LTE-Band 26 (16QAM Number: 15 Offset: 0) Channel Low



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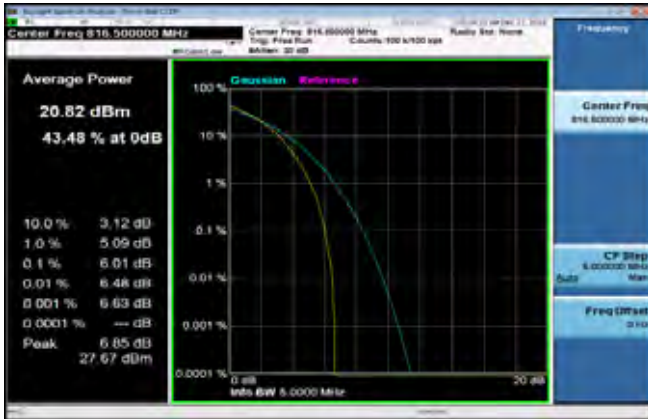
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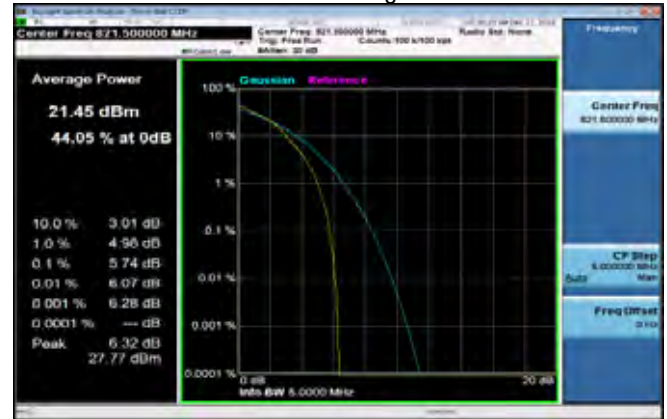
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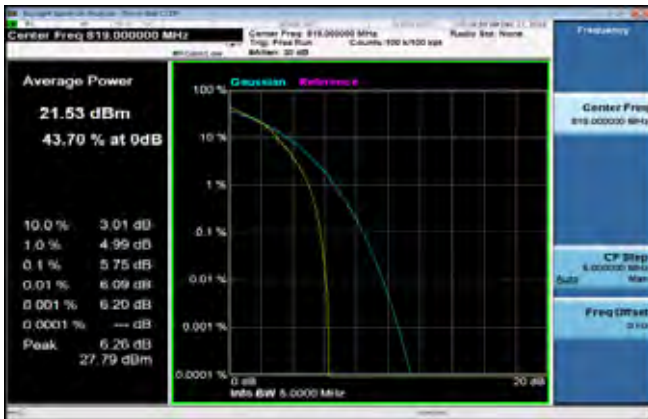
5MHz BW LTE-Band 26 (16QAM Number: 25 Offset: 0)
Channel Low



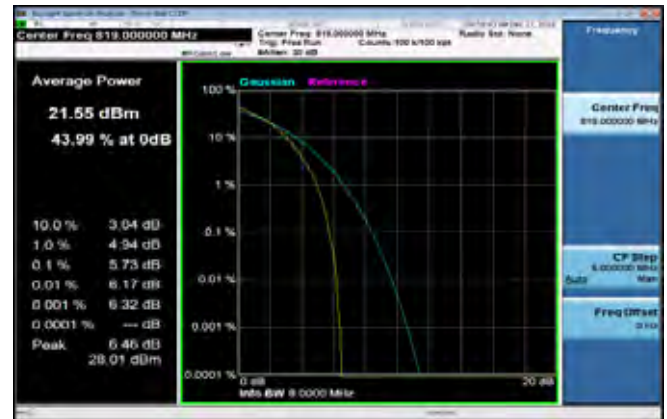
5MHz BW LTE-Band 26 (16QAM Number: 25 Offset: 0)
Channel High



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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