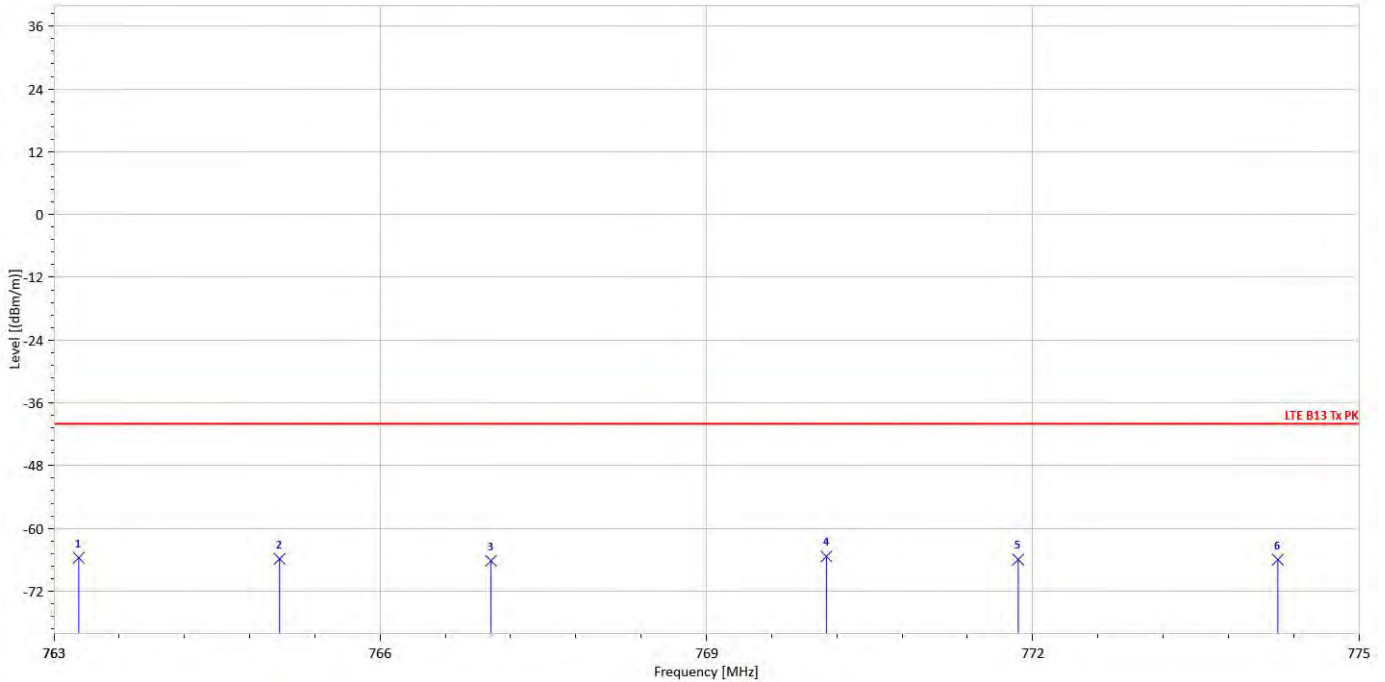


Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/14
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



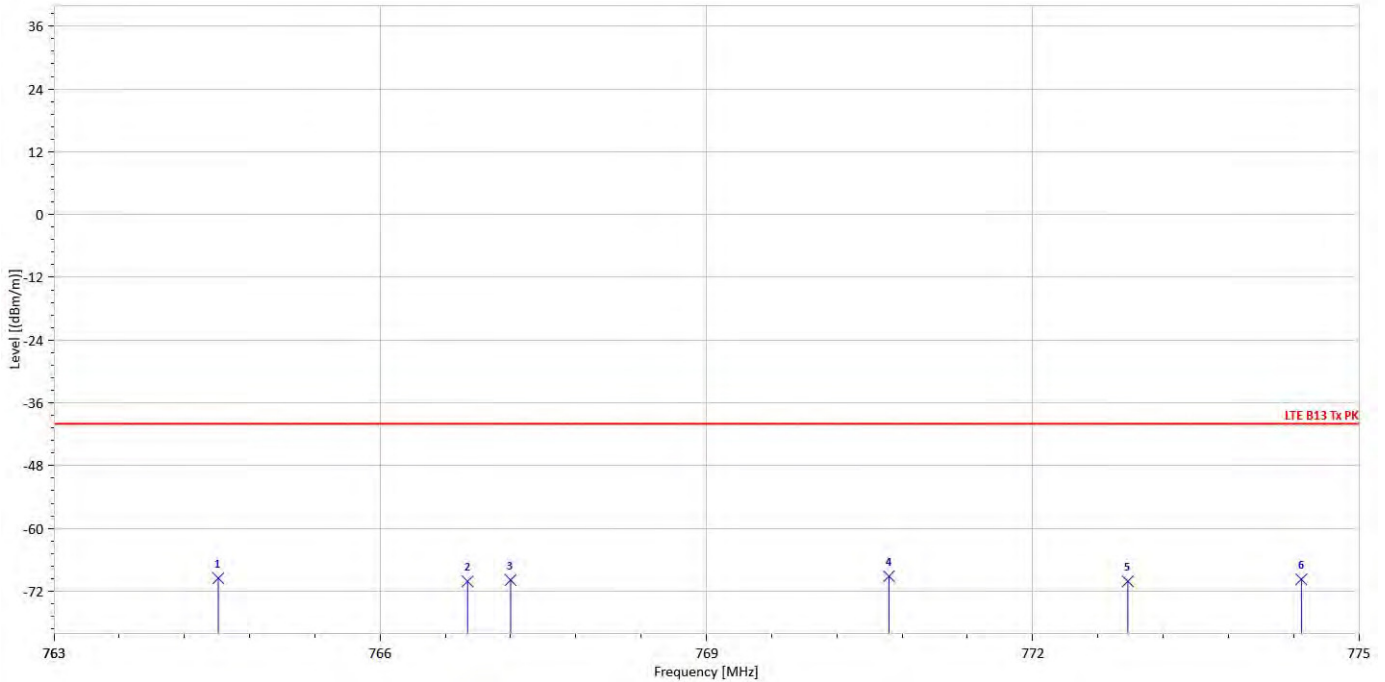
Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
763.23	S	-65.60	-66.80	5.18	-3.98	-40	-25.60
765.08	S	-65.82	-67.01	5.18	-3.99	-40	-25.82
767.02	S	-66.18	-67.36	5.18	-4.00	-40	-26.18
770.10	S	-65.36	-66.53	5.18	-4.01	-40	-25.36
771.87	S	-65.94	-67.11	5.19	-4.02	-40	-25.94
774.26	S	-65.96	-67.12	5.19	-4.03	-40	-25.96

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/14
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal

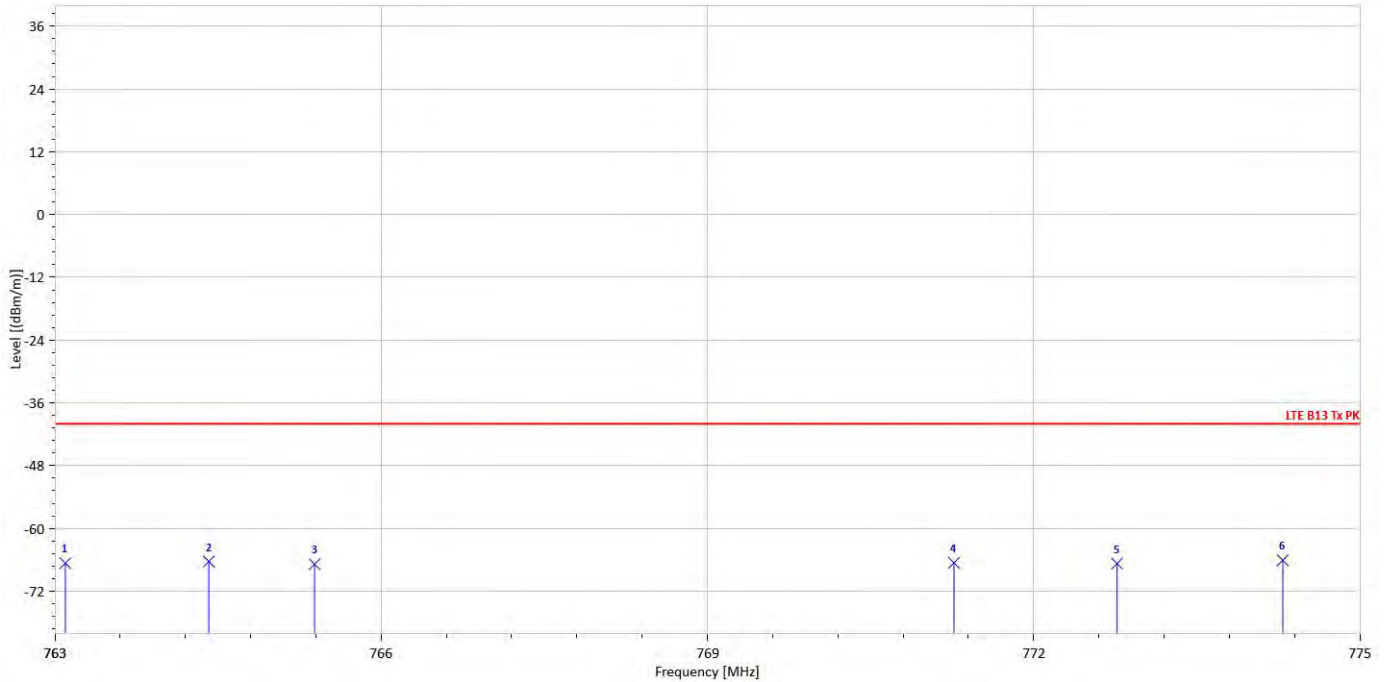


Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
764.51	S	-69.50	-70.69	5.18	-3.99	-40	-29.50
766.80	S	-70.09	-71.27	5.18	-4.00	-40	-30.09
767.20	S	-69.85	-71.04	5.18	-4.00	-40	-29.85
770.68	S	-69.15	-70.32	5.18	-4.01	-40	-29.15
772.88	S	-70.09	-71.26	5.19	-4.02	-40	-30.09
774.47	S	-69.72	-70.89	5.19	-4.03	-40	-29.72

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/15
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



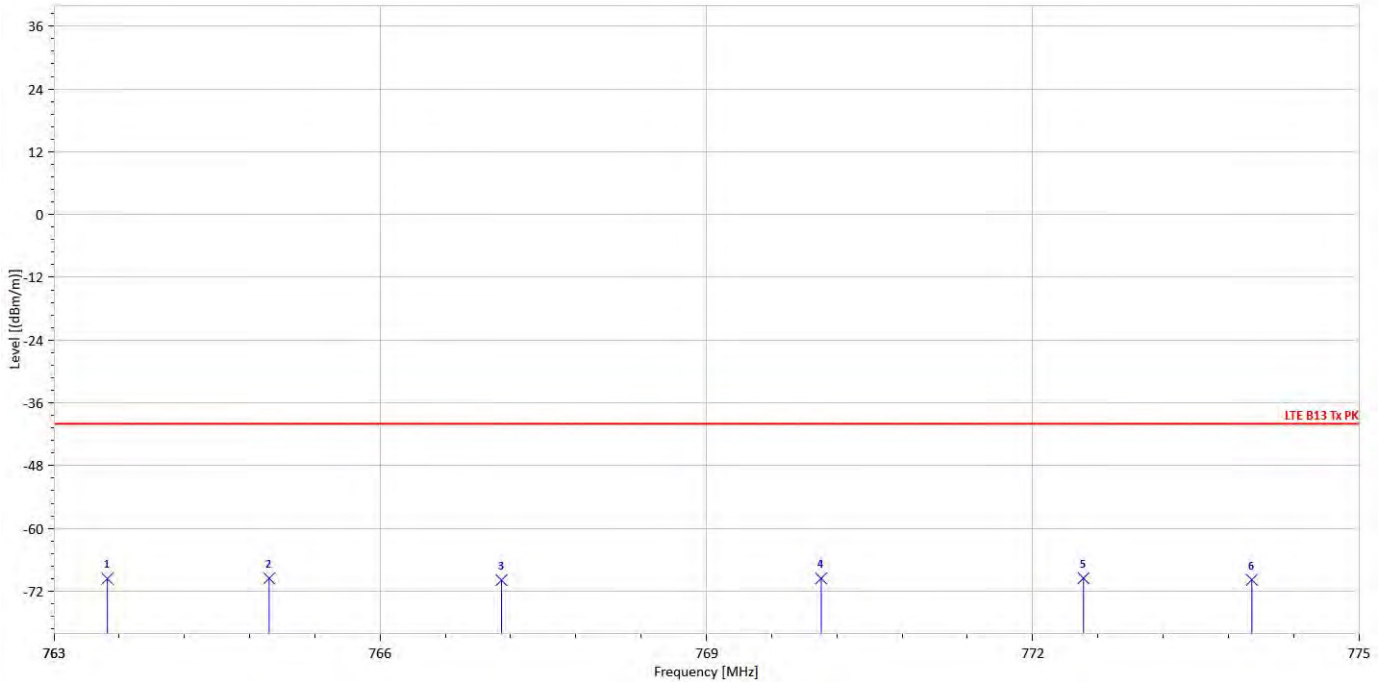
Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
763.49	S	-69.59	-70.78	5.18	-3.98	-40	-29.59
764.98	S	-69.53	-70.71	5.18	-3.99	-40	-29.53
767.12	S	-69.87	-71.05	5.18	-4.00	-40	-29.87
770.06	S	-69.55	-70.72	5.18	-4.01	-40	-29.55
772.47	S	-69.51	-70.68	5.19	-4.02	-40	-29.51
774.02	S	-69.81	-70.97	5.19	-4.03	-40	-29.81

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/15
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
763.10	S	-66.65	-67.85	5.18	-3.98	-40	-26.65
764.42	S	-66.31	-67.50	5.18	-3.99	-40	-26.31
765.39	S	-66.84	-68.03	5.18	-3.99	-40	-26.84
771.27	S	-66.57	-67.74	5.19	-4.02	-40	-26.57
772.77	S	-66.71	-67.87	5.19	-4.02	-40	-26.71
774.29	S	-66.09	-67.25	5.19	-4.03	-40	-26.09

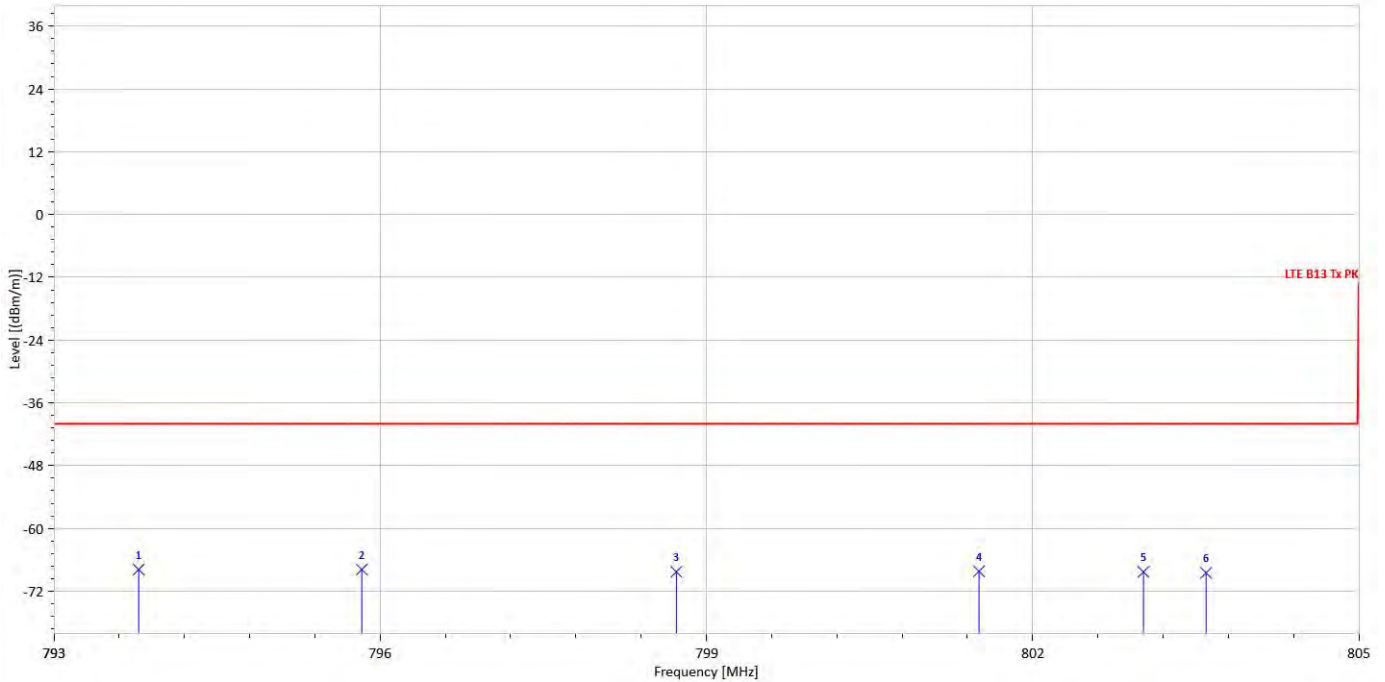
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Radiated Spurious Emission Measurement Result: LTE-Band 13 (inband measurement 793~805MHz)

Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/15
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



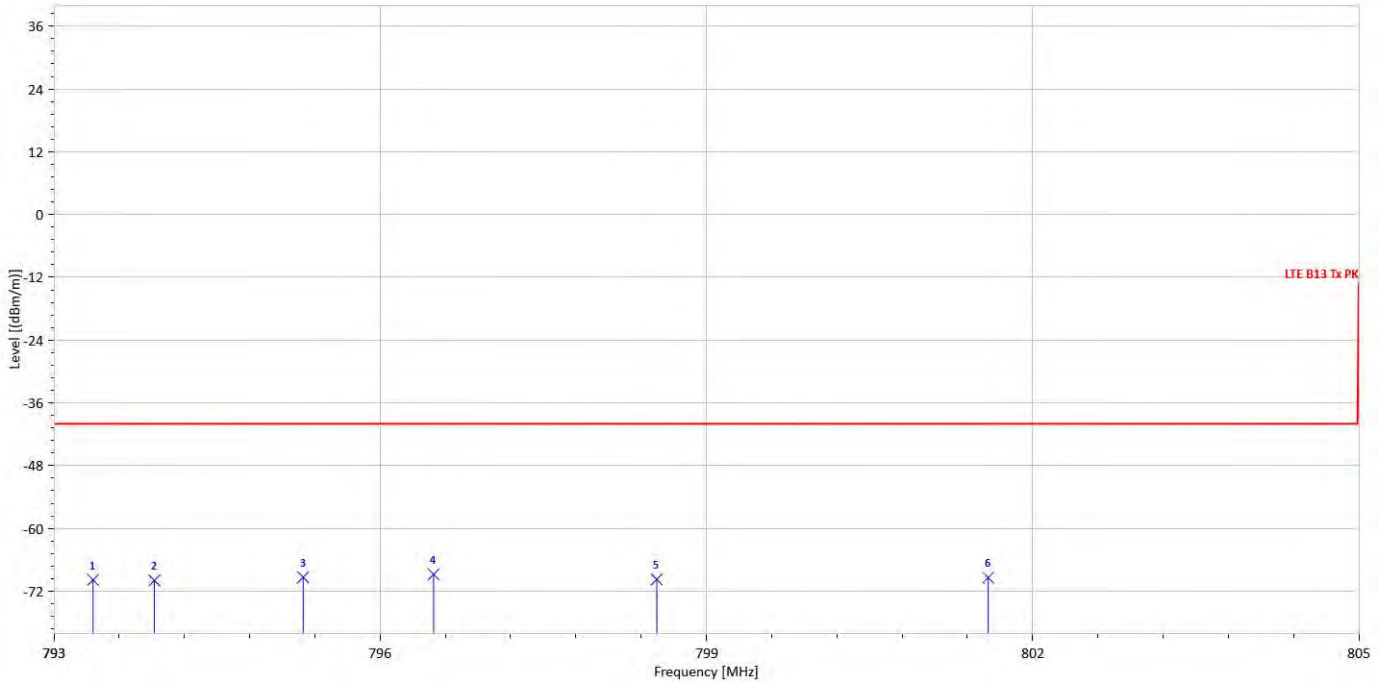
Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
793.78	S	-67.85	-68.96	5.21	-4.10	-40	-27.85
795.83	S	-67.84	-68.95	5.21	-4.10	-40	-27.84
798.72	S	-68.29	-69.40	5.22	-4.11	-40	-28.29
801.51	S	-68.18	-69.28	5.21	-4.11	-40	-28.18
803.02	S	-68.31	-69.40	5.21	-4.12	-40	-28.31
803.60	S	-68.48	-69.57	5.21	-4.12	-40	-28.48

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/15
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



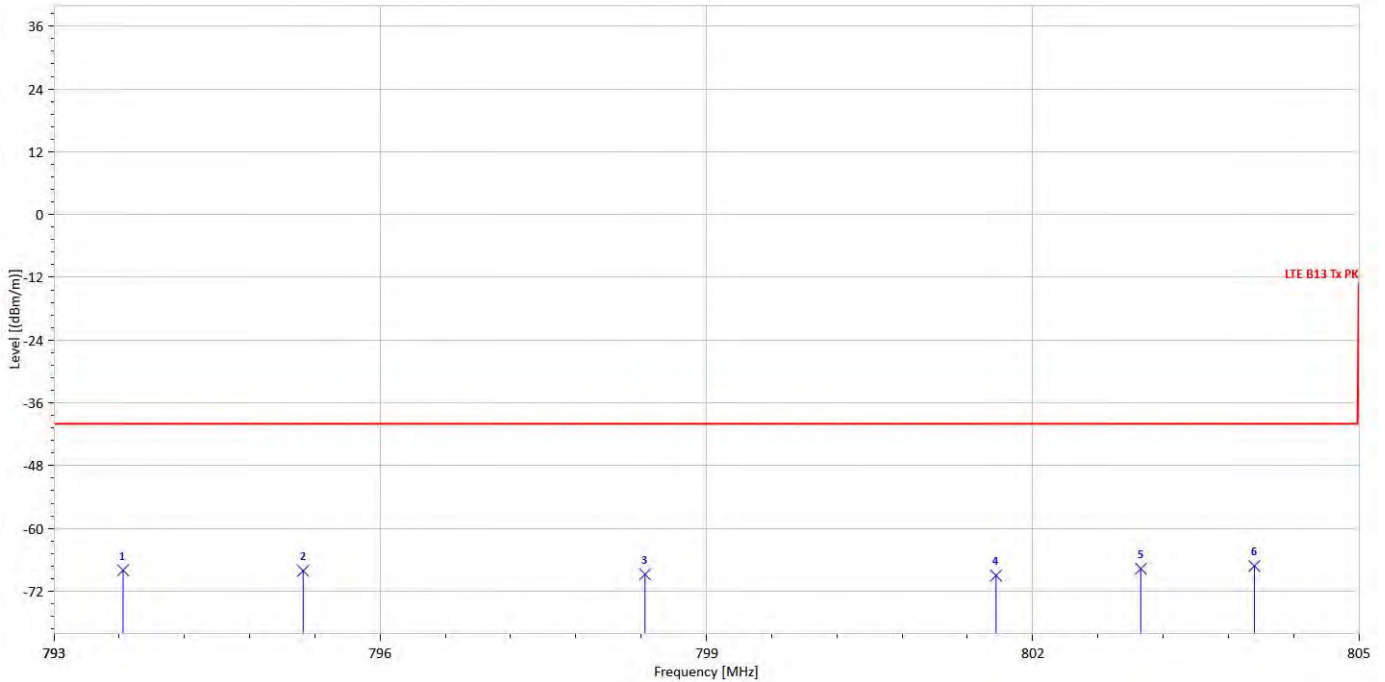
Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
793.36	S	-69.83	-70.94	5.21	-4.10	-40	-29.83
793.92	S	-69.94	-71.06	5.21	-4.10	-40	-29.94
795.29	S	-69.34	-70.46	5.21	-4.10	-40	-29.34
796.49	S	-68.78	-69.90	5.22	-4.10	-40	-28.78
798.54	S	-69.74	-70.86	5.22	-4.11	-40	-29.74
801.59	S	-69.40	-70.50	5.21	-4.11	-40	-29.40

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/15
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



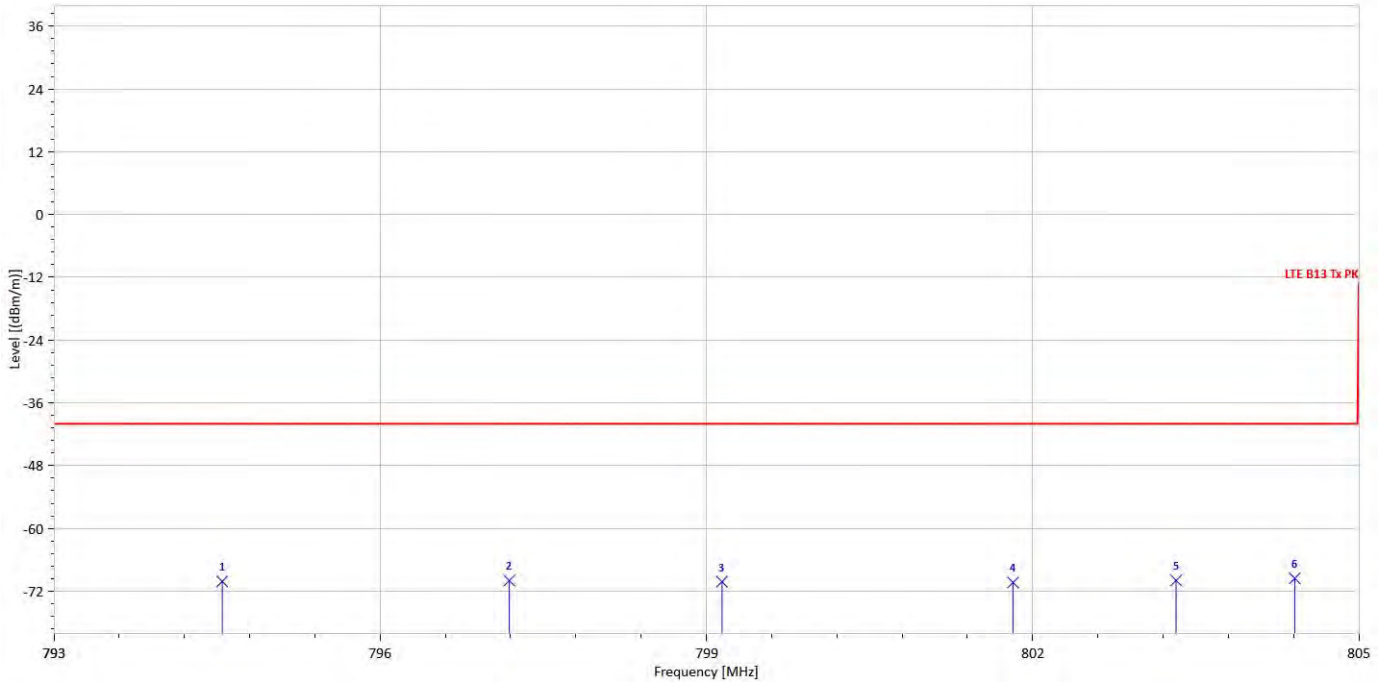
Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
793.64	S	-67.98	-69.10	5.21	-4.10	-40	-27.98
795.29	S	-68.11	-69.22	5.21	-4.10	-40	-28.11
798.44	S	-68.77	-69.89	5.22	-4.11	-40	-28.77
801.66	S	-69.00	-70.10	5.21	-4.11	-40	-29.00
803.00	S	-67.69	-68.79	5.21	-4.12	-40	-27.69
804.04	S	-67.16	-68.25	5.21	-4.12	-40	-27.16

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/15
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



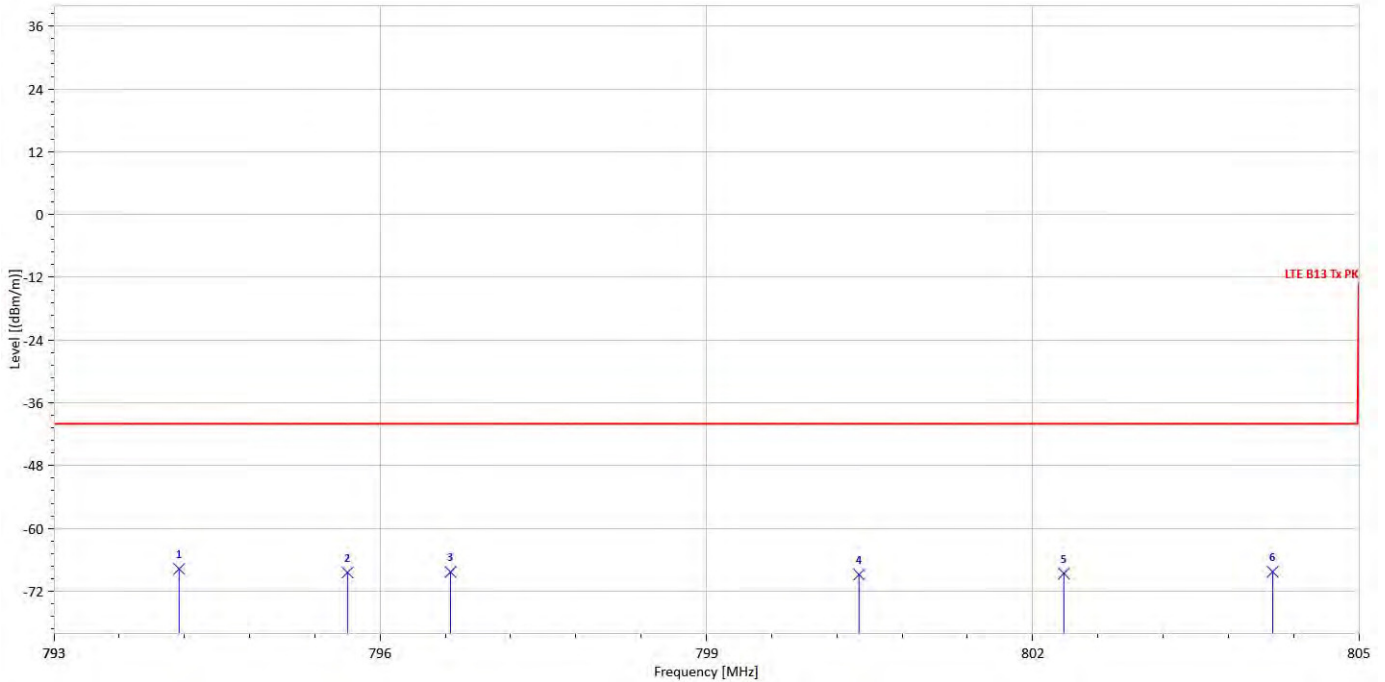
Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
794.55	S	-70.13	-71.25	5.21	-4.10	-40	-30.13
797.19	S	-69.94	-71.05	5.22	-4.10	-40	-29.94
799.14	S	-70.18	-71.29	5.22	-4.11	-40	-30.18
801.82	S	-70.33	-71.43	5.21	-4.11	-40	-30.33
803.32	S	-69.93	-71.02	5.21	-4.12	-40	-29.93
804.41	S	-69.55	-70.63	5.20	-4.12	-40	-29.55

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Operation Mode : LTEB13 5M 16QAM 1.24 Test Date : 2018/2/15
 Fundamental Frequency : 784.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical

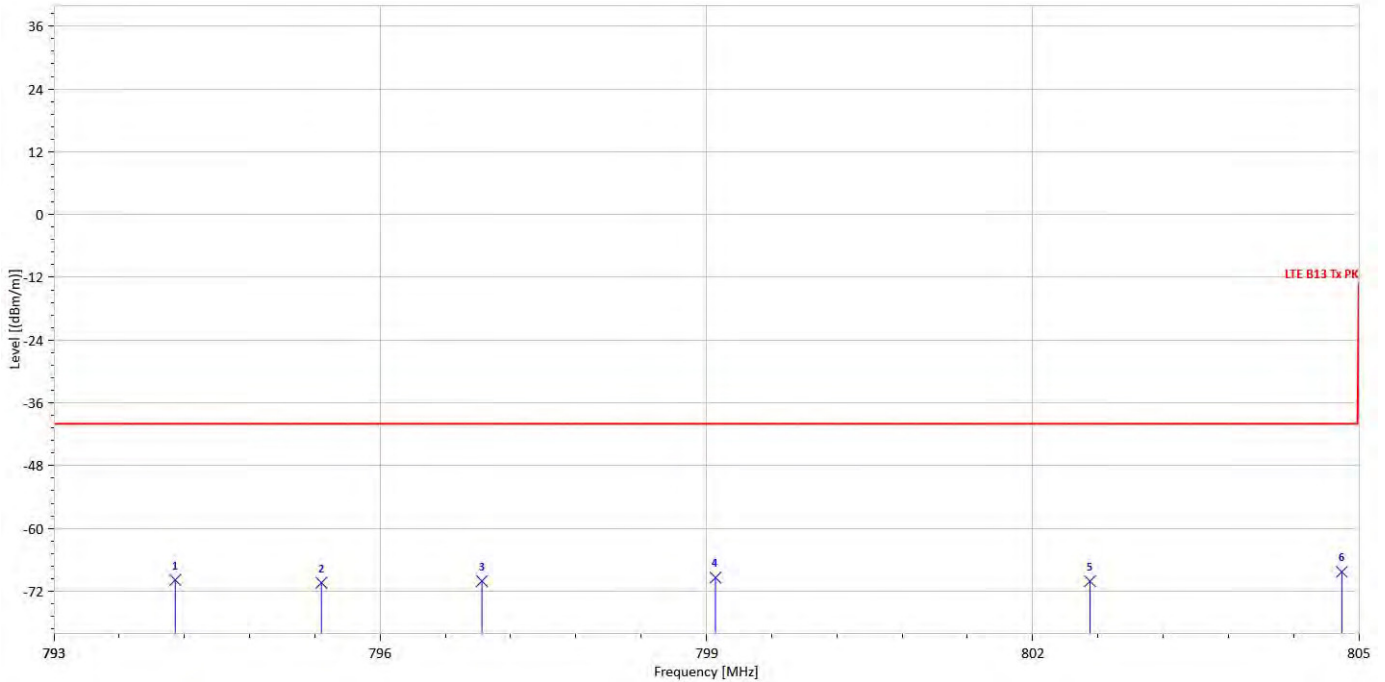


Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
794.15	S	-67.73	-68.84	5.21	-4.10	-40	-27.73
795.70	S	-68.41	-69.52	5.21	-4.10	-40	-28.41
796.65	S	-68.32	-69.43	5.22	-4.10	-40	-28.32
800.40	S	-68.82	-69.93	5.22	-4.11	-40	-28.82
802.29	S	-68.59	-69.69	5.21	-4.11	-40	-28.59
804.21	S	-68.28	-69.36	5.21	-4.12	-40	-28.28

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/15
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRI dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
794.12	S	-69.85	-70.96	5.21	-4.10	-40	-29.85
795.46	S	-70.37	-71.49	5.21	-4.10	-40	-30.37
796.94	S	-70.05	-71.17	5.22	-4.10	-40	-30.05
799.08	S	-69.40	-70.51	5.22	-4.11	-40	-29.40
802.53	S	-70.09	-71.18	5.21	-4.12	-40	-30.09
804.84	S	-68.30	-69.38	5.20	-4.12	-40	-28.30

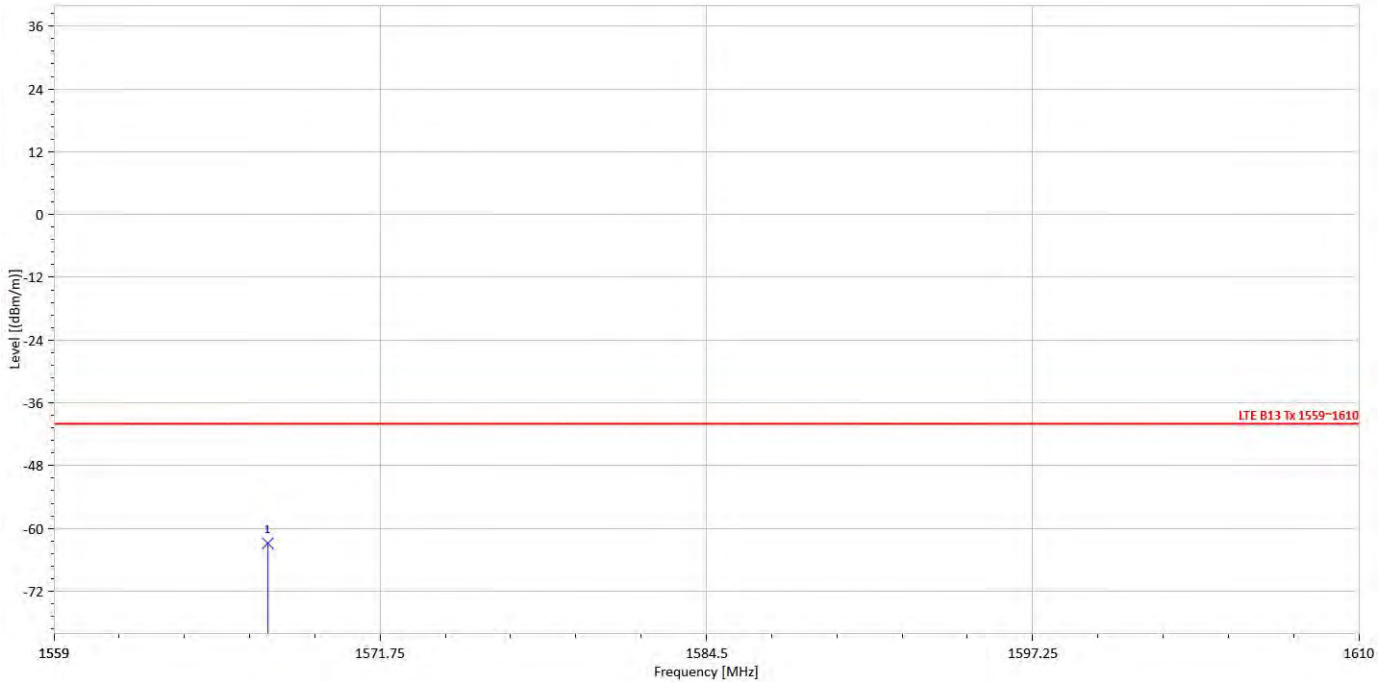
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Radiated Spurious Emission Measurement Result: LTE-Band 13 (inband measurement 1559~1610MHz)

Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/21
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical

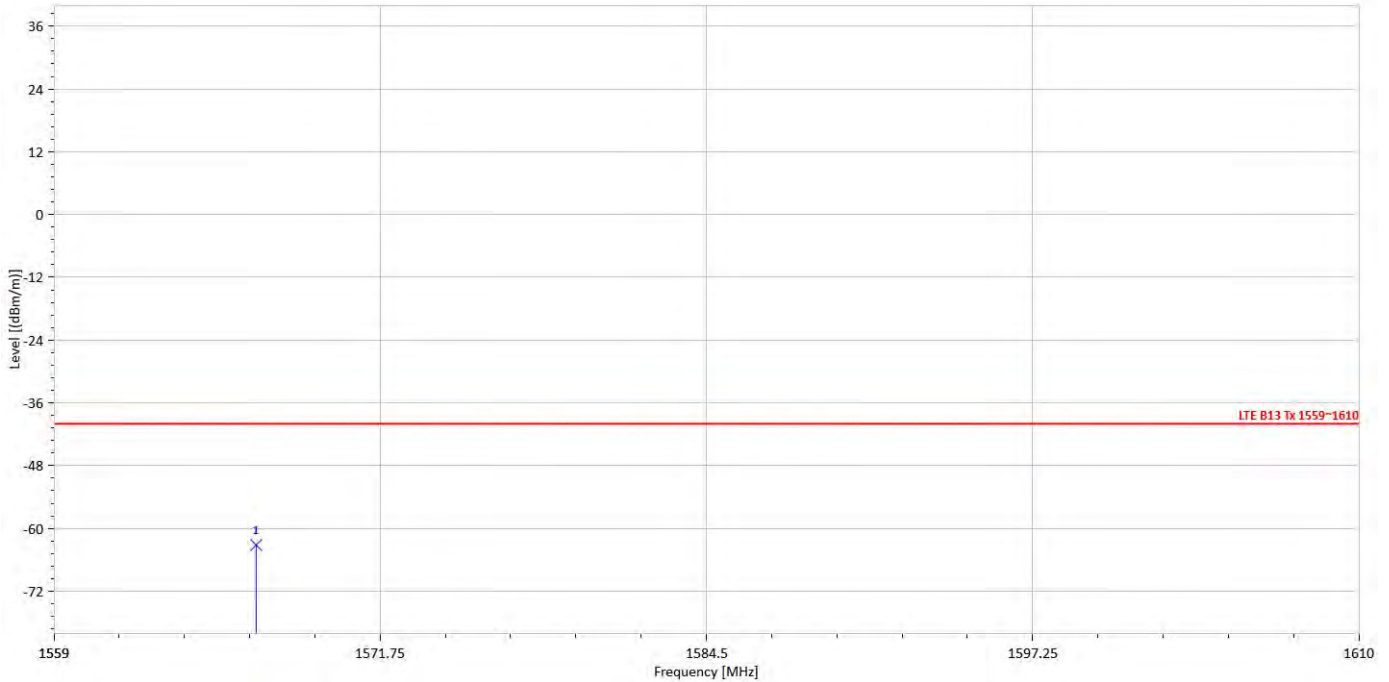


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1567.36	S	-62.87	-62.82	6.23	-6.28	-40	-22.87

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/21
Fundamental Frequency :	779.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal

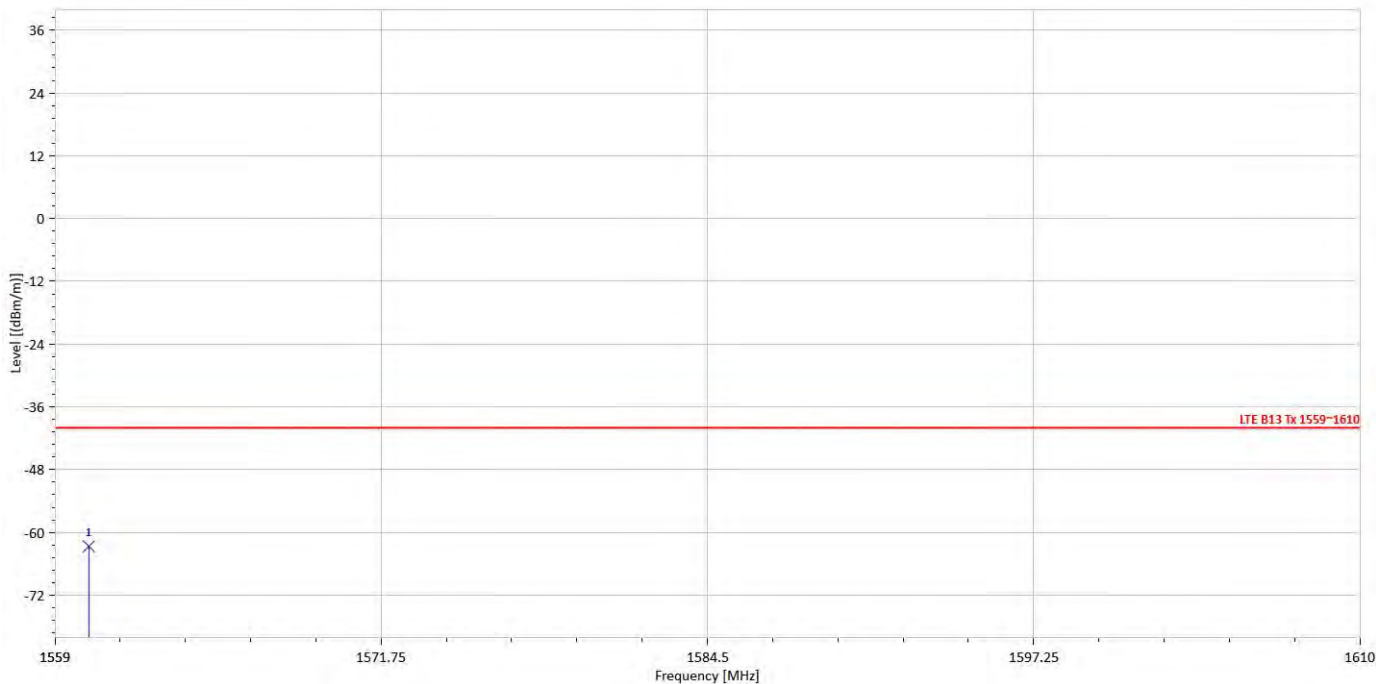


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1566.91	S	-63.16	-63.11	6.23	-6.28	-40	-23.16

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/21
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



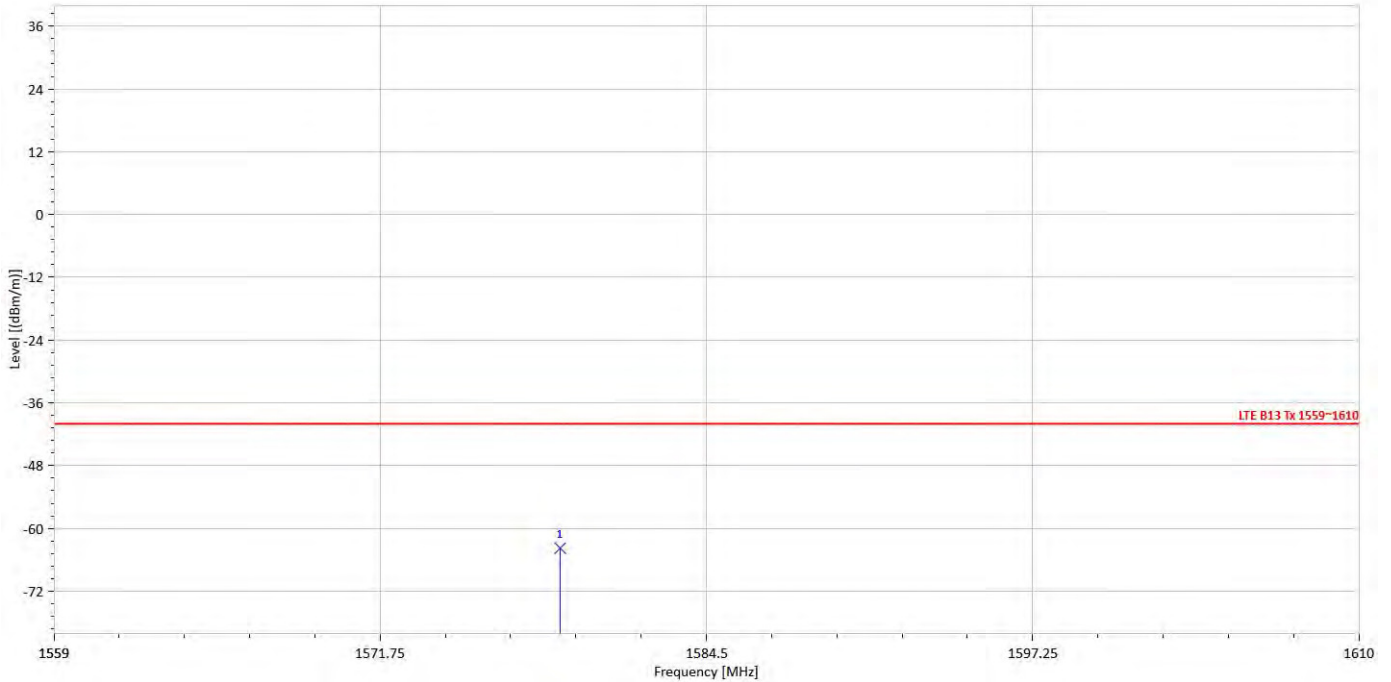
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1560.33	S	-62.65	-62.59	6.20	-6.26	-40	-22.65

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/21
Fundamental Frequency :	782 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH MID	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal

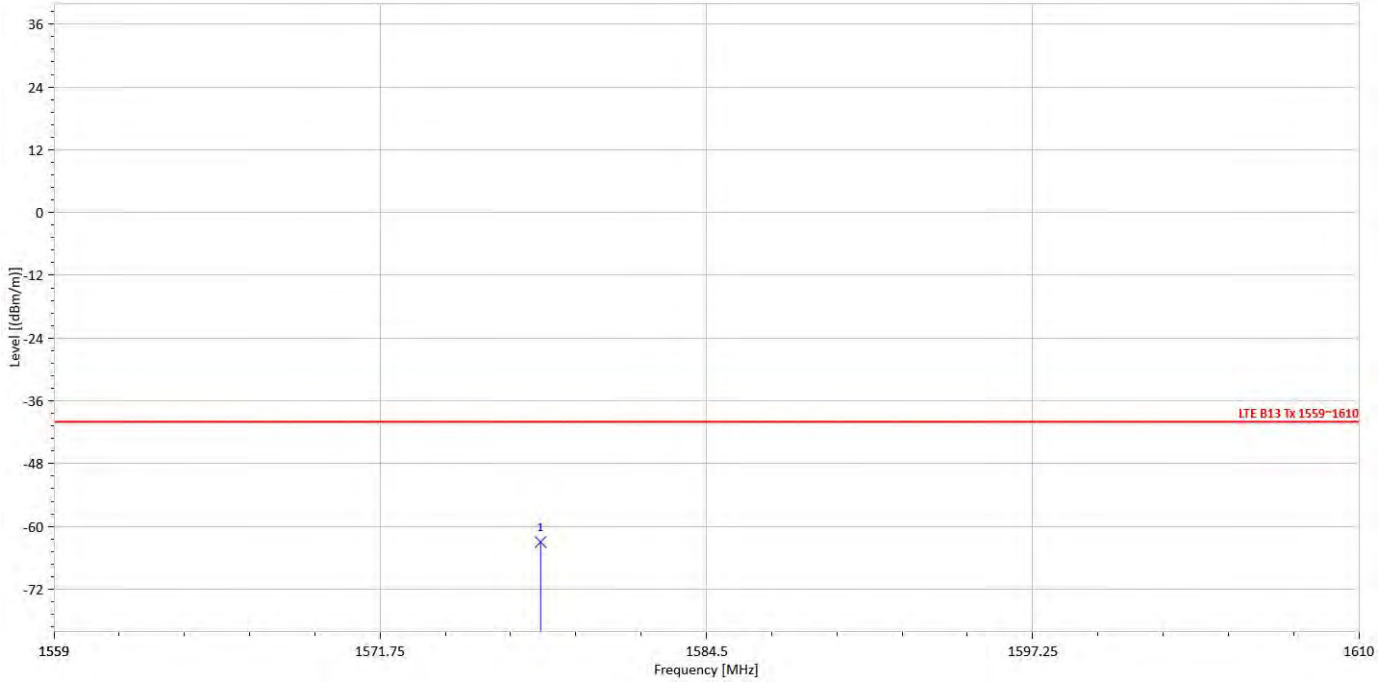


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1578.79	S	-63.76	-63.74	6.28	-6.30	-40	-23.76

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/21
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical

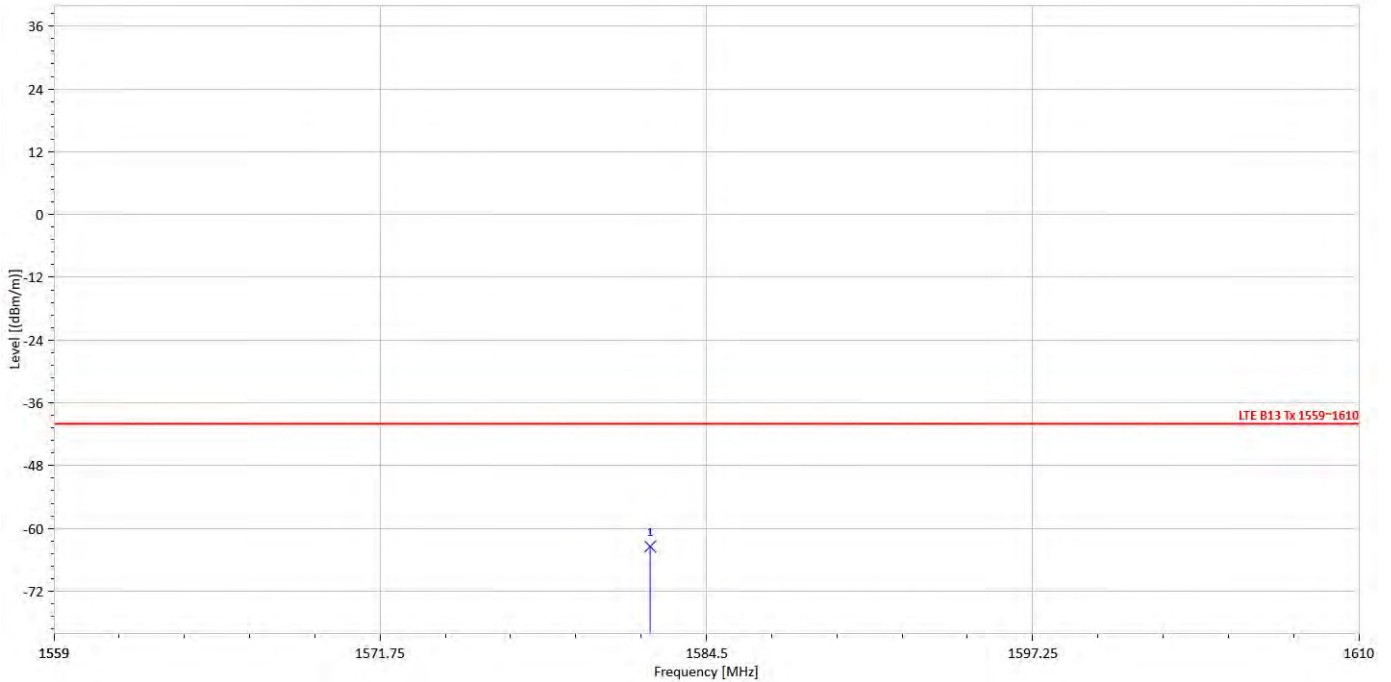


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1578.02	S	-62.98	-62.95	6.28	-6.30	-40	-22.98

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Operation Mode :	LTEB13 5M 16QAM 1.24	Test Date :	2018/2/21
Fundamental Frequency :	784.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH HIGH	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



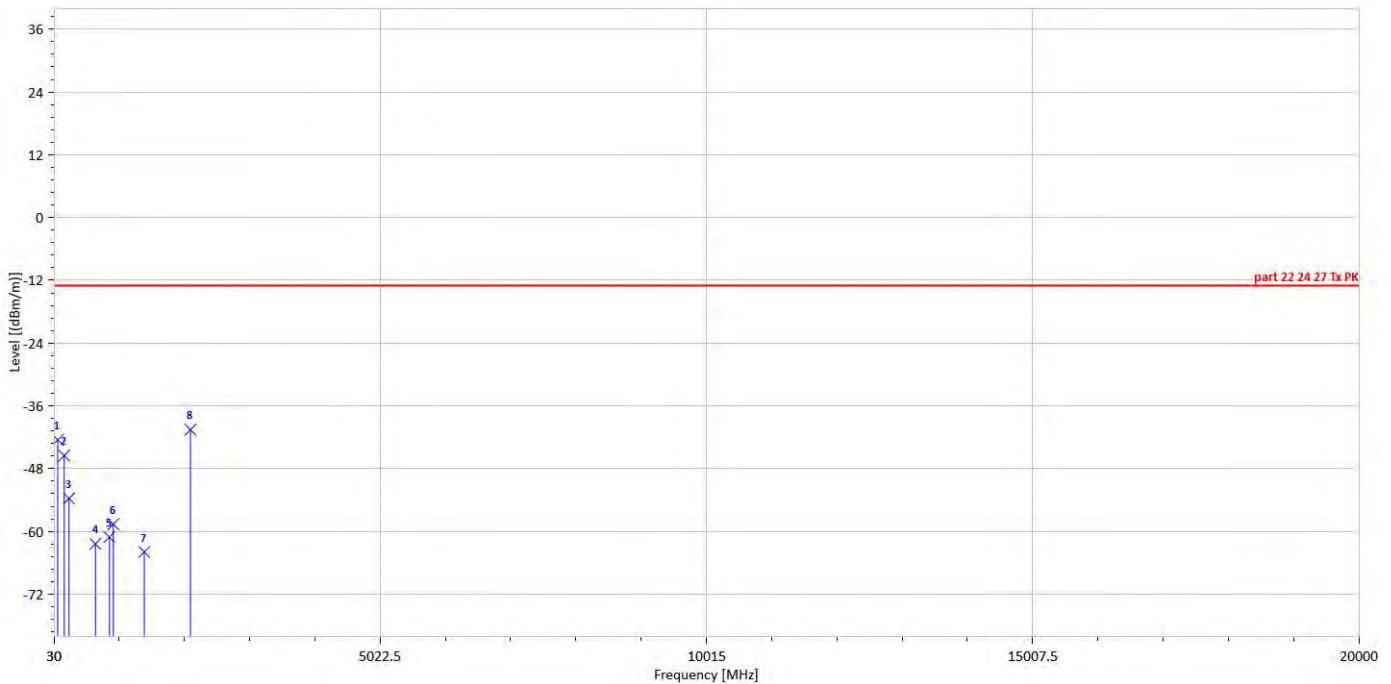
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
1582.31	S	-63.45	-63.44	6.30	-6.31	-40	-23.45

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Radiated Spurious Emission Measurement Result: LTE-Band 17

Operation Mode :	LTEB17 5M 16QAM 1.0	Test Date :	2018/2/15
Fundamental Frequency :	706.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



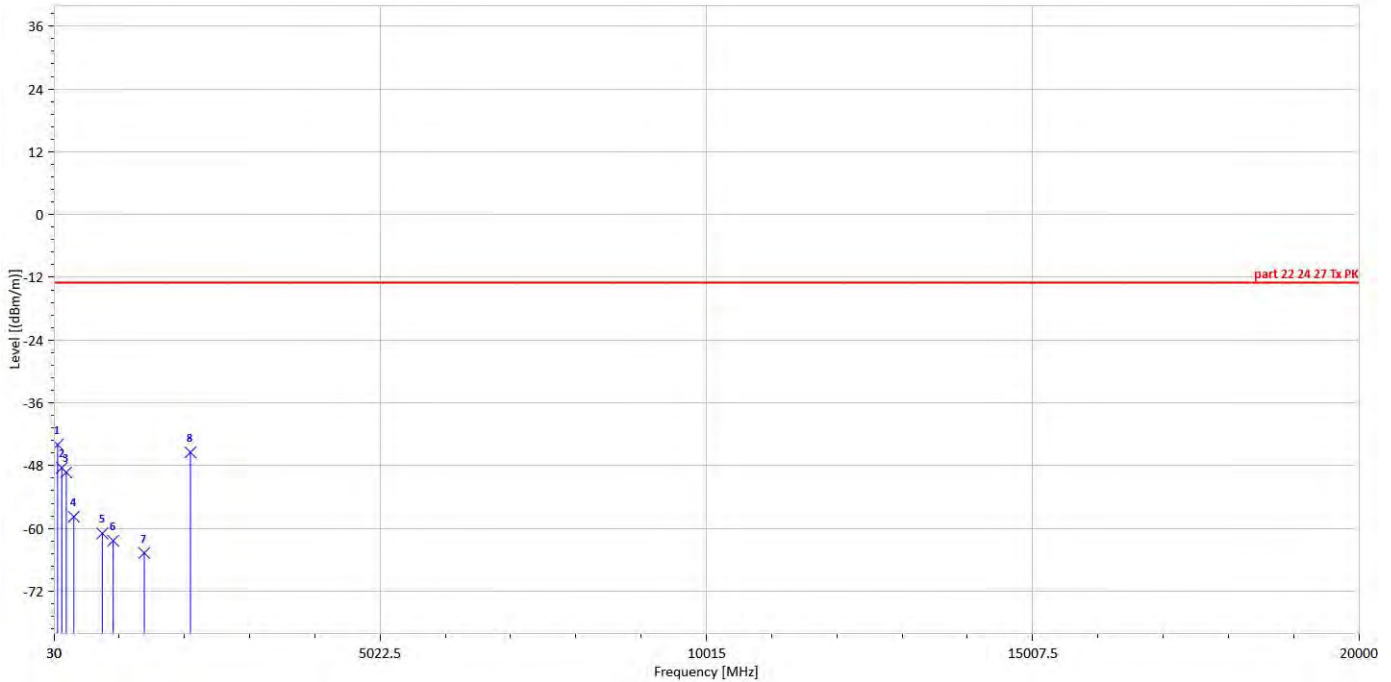
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
88.20	S	-42.51	-39.07	-2.16	-1.29	-13	-29.51
188.11	S	-45.51	-47.64	4.05	-1.93	-13	-32.51
260.86	S	-53.68	-53.52	2.15	-2.30	-13	-40.68
665.35	S	-62.39	-63.41	4.76	-3.73	-13	-49.39
878.75	S	-61.07	-61.87	5.16	-4.36	-13	-48.07
937.92	S	-58.62	-59.50	5.37	-4.49	-13	-45.62
1413.00	H	-63.93	-63.53	5.53	-5.93	-13	-50.93
2119.50	H	-40.56	-41.41	8.16	-7.31	-13	-27.56

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Operation Mode : LTEB17 5M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 706.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal

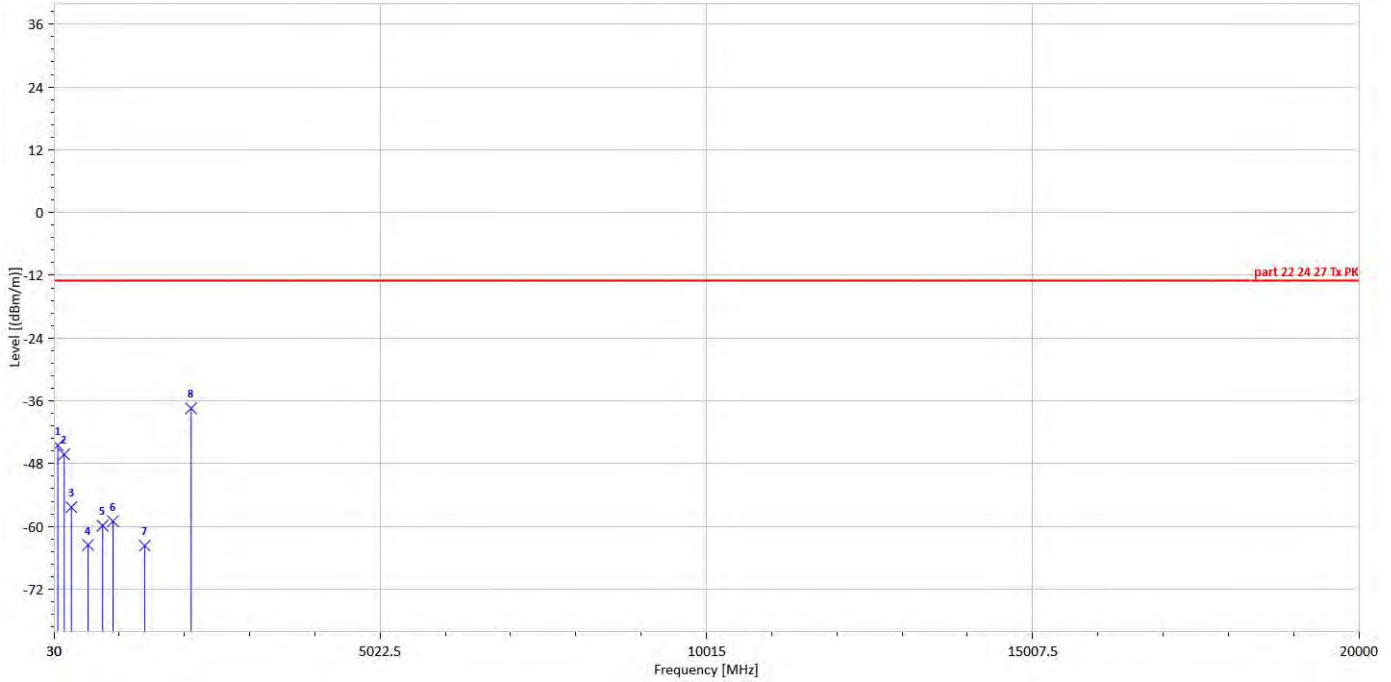


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
87.23	S	-44.00	-40.62	-2.10	-1.28	-13	-31.00
151.25	S	-48.41	-47.10	0.41	-1.72	-13	-35.41
218.18	S	-49.29	-51.22	4.01	-2.08	-13	-36.29
334.58	S	-57.77	-58.61	3.46	-2.62	-13	-44.77
771.08	S	-60.95	-62.12	5.19	-4.01	-13	-47.95
936.95	S	-62.35	-63.23	5.37	-4.49	-13	-49.35
1413.00	H	-64.69	-64.29	5.53	-5.93	-13.01	-51.68
2119.50	H	-45.44	-46.29	8.16	-7.31	-13.01	-32.43

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Operation Mode : LTEB17 5M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 710 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



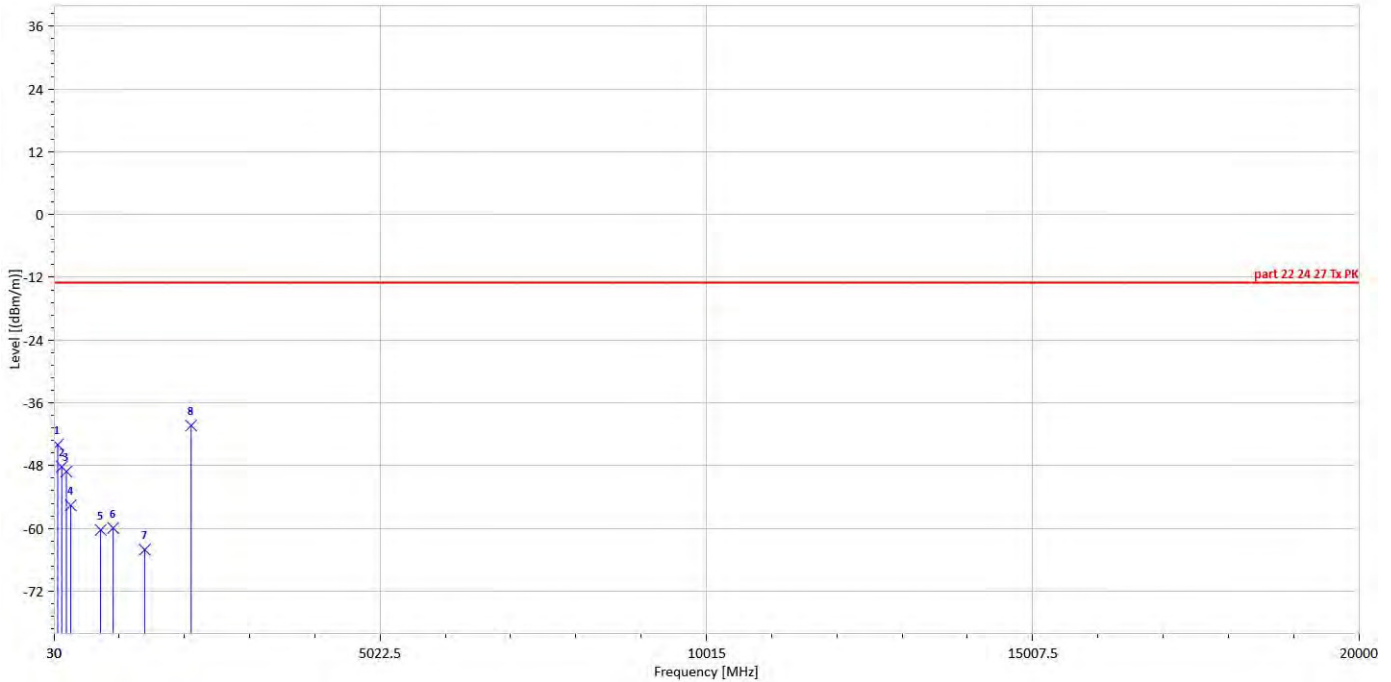
Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level	Gain	Loss	@3m	dB
			dBm	dBd/dBi	dB	dBm/m	
90.14	S	-44.49	-40.92	-2.28	-1.30	-13	-31.49
187.14	S	-46.22	-48.30	4.01	-1.92	-13	-33.22
297.72	S	-56.32	-57.35	3.48	-2.45	-13	-43.32
552.83	S	-63.56	-64.13	3.99	-3.42	-13	-50.56
775.93	S	-59.84	-61.00	5.19	-4.03	-13	-46.84
934.04	S	-59.00	-59.87	5.36	-4.48	-13	-46.00
1420.00	H	-63.67	-63.29	5.57	-5.95	-13.01	-50.66
2130.00	H	-37.44	-38.29	8.17	-7.32	-13.01	-24.43

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Operation Mode : LTEB17 5M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 710 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal

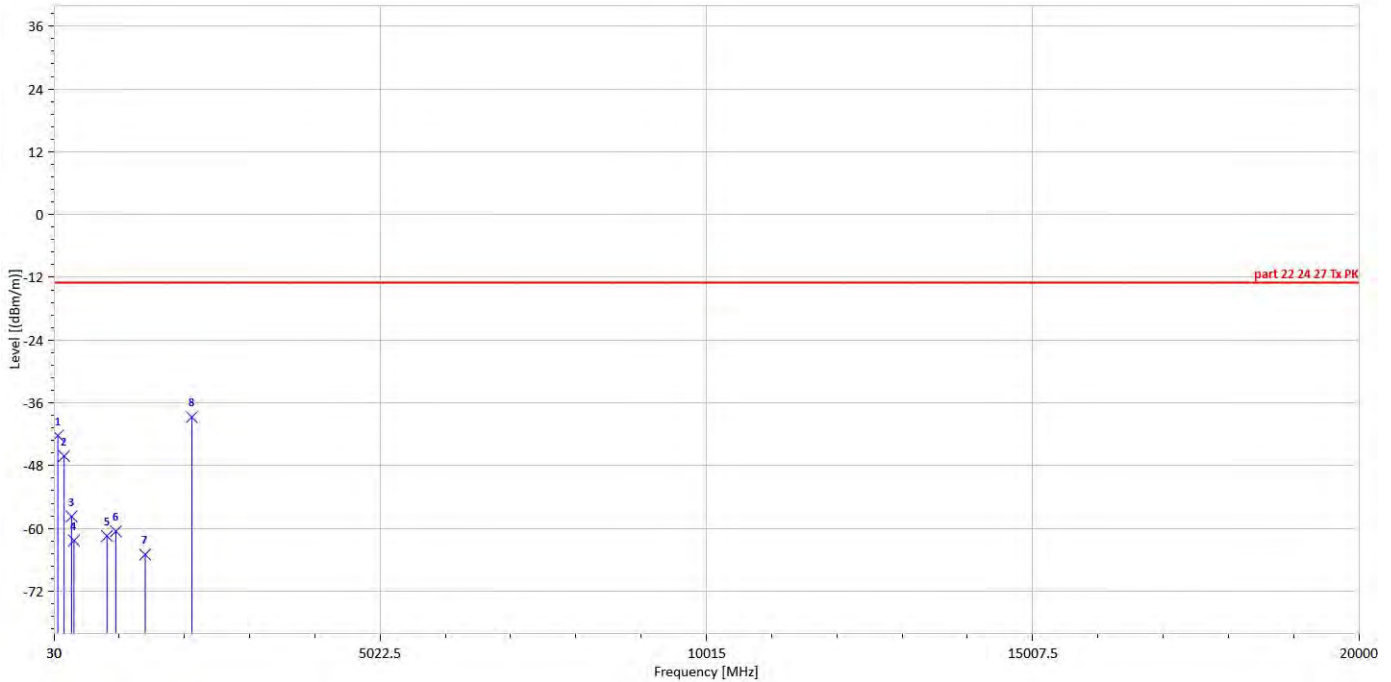


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
88.20	S	-44.00	-40.56	-2.16	-1.29	-13	-31.00
150.28	S	-48.22	-46.82	0.31	-1.71	-13	-35.22
221.09	S	-49.14	-51.00	3.96	-2.10	-13	-36.14
287.05	S	-55.57	-56.54	3.38	-2.41	-13	-42.57
745.86	S	-60.30	-61.52	5.15	-3.93	-13	-47.30
936.95	S	-59.91	-60.78	5.37	-4.49	-13	-46.91
1420.00	H	-64.06	-63.68	5.57	-5.95	-13	-51.06
2130.00	H	-40.32	-41.17	8.17	-7.32	-13	-27.32

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Operation Mode : LTEB17 5M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 713.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical

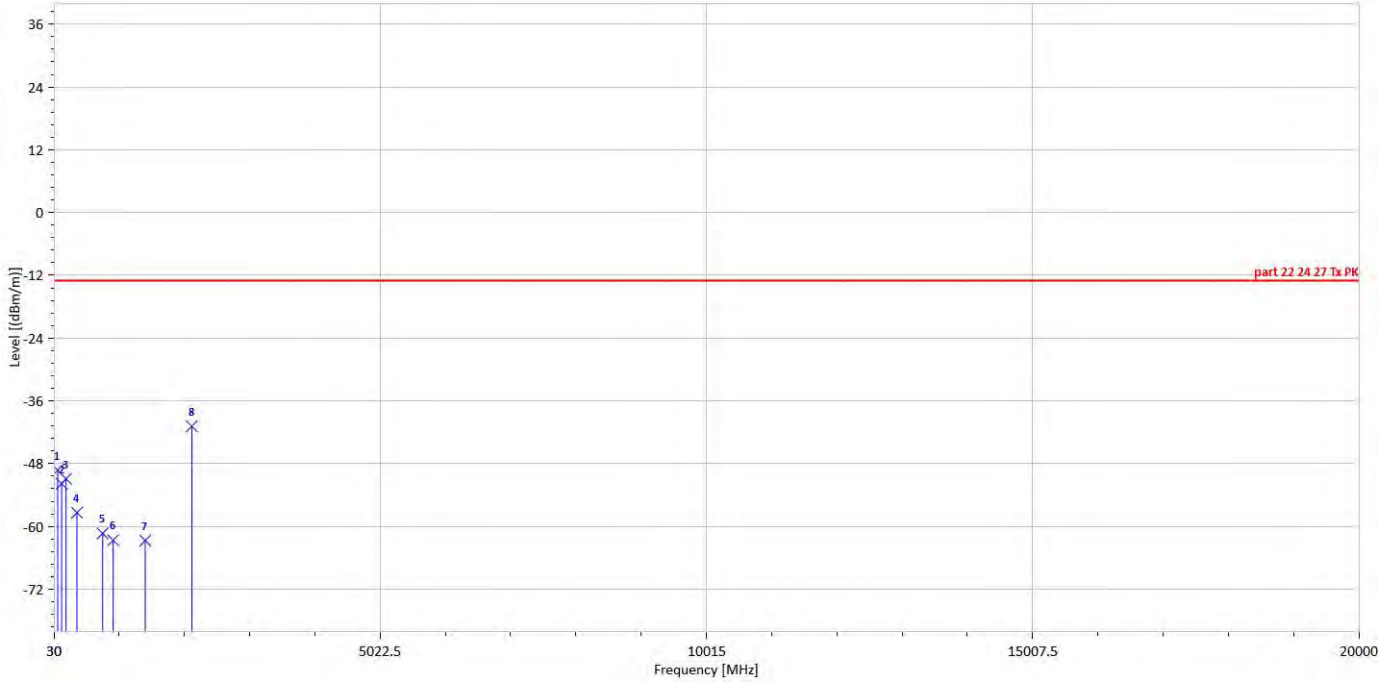


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
90.14	S	-42.24	-38.67	-2.28	-1.30	-13	-29.24
186.17	S	-46.14	-48.19	3.96	-1.92	-13	-33.14
299.66	S	-57.71	-58.75	3.50	-2.46	-13	-44.71
337.49	S	-62.28	-63.11	3.46	-2.63	-13	-49.28
841.89	S	-61.45	-62.28	5.08	-4.25	-13	-48.45
978.66	S	-60.54	-61.44	5.50	-4.60	-13	-47.54
1427.00	H	-64.99	-64.62	5.60	-5.96	-13.01	-51.98
2140.50	H	-38.72	-39.56	8.18	-7.34	-13.01	-25.71

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Operation Mode : LTEB17 5M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 713.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



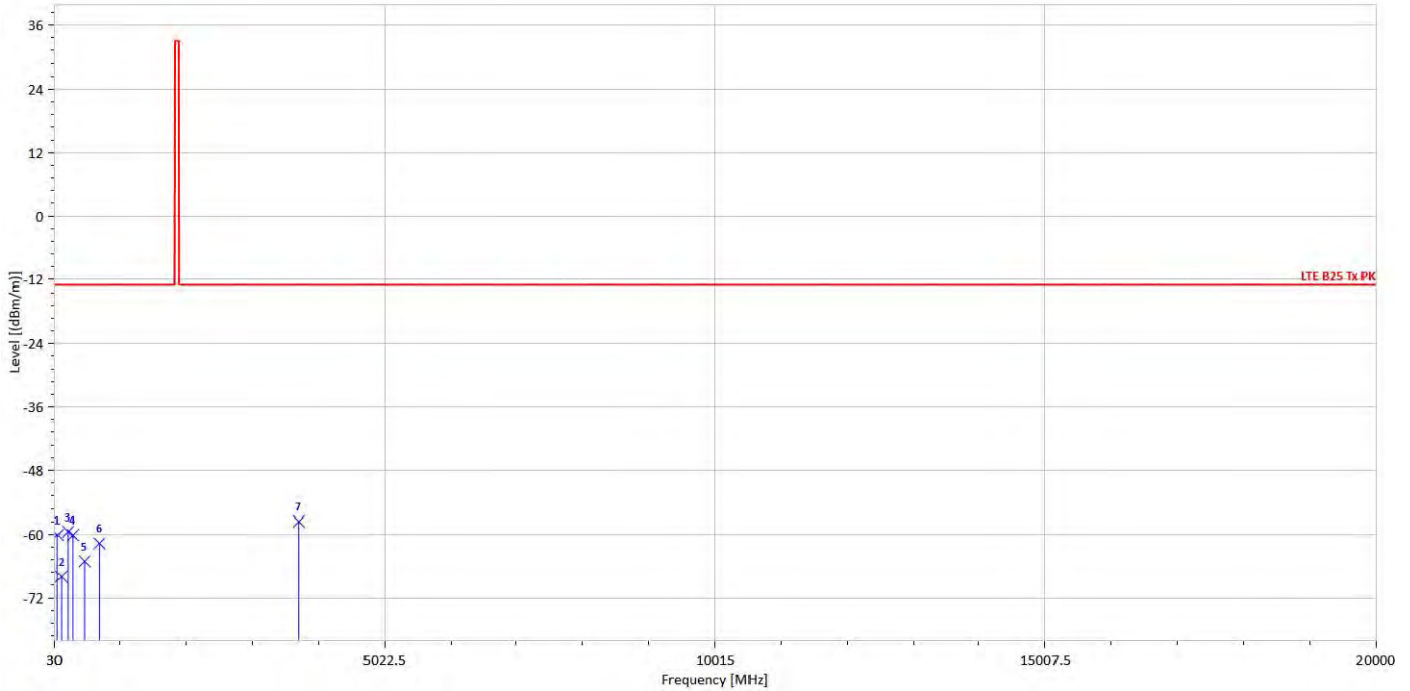
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
88.20	S	-49.25	-45.81	-2.16	-1.29	-13	-36.25
148.34	S	-51.84	-50.17	0.03	-1.70	-13	-38.84
216.24	S	-50.90	-52.84	4.01	-2.07	-13	-37.90
383.08	S	-57.37	-57.85	3.28	-2.80	-13	-44.37
775.93	S	-61.33	-62.49	5.19	-4.03	-13	-48.33
935.98	S	-62.63	-63.50	5.36	-4.49	-13	-49.63
1427.00	H	-62.67	-62.31	5.60	-5.96	-13.01	-49.66
2140.50	H	-40.86	-41.70	8.18	-7.34	-13.01	-27.85

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Radiated Spurious Emission Measurement Result: LTE-Band 25

Operation Mode :	LTEB25 20M 16QAM 1.0	Test Date :	2018/2/22
Fundamental Frequency :	1860 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



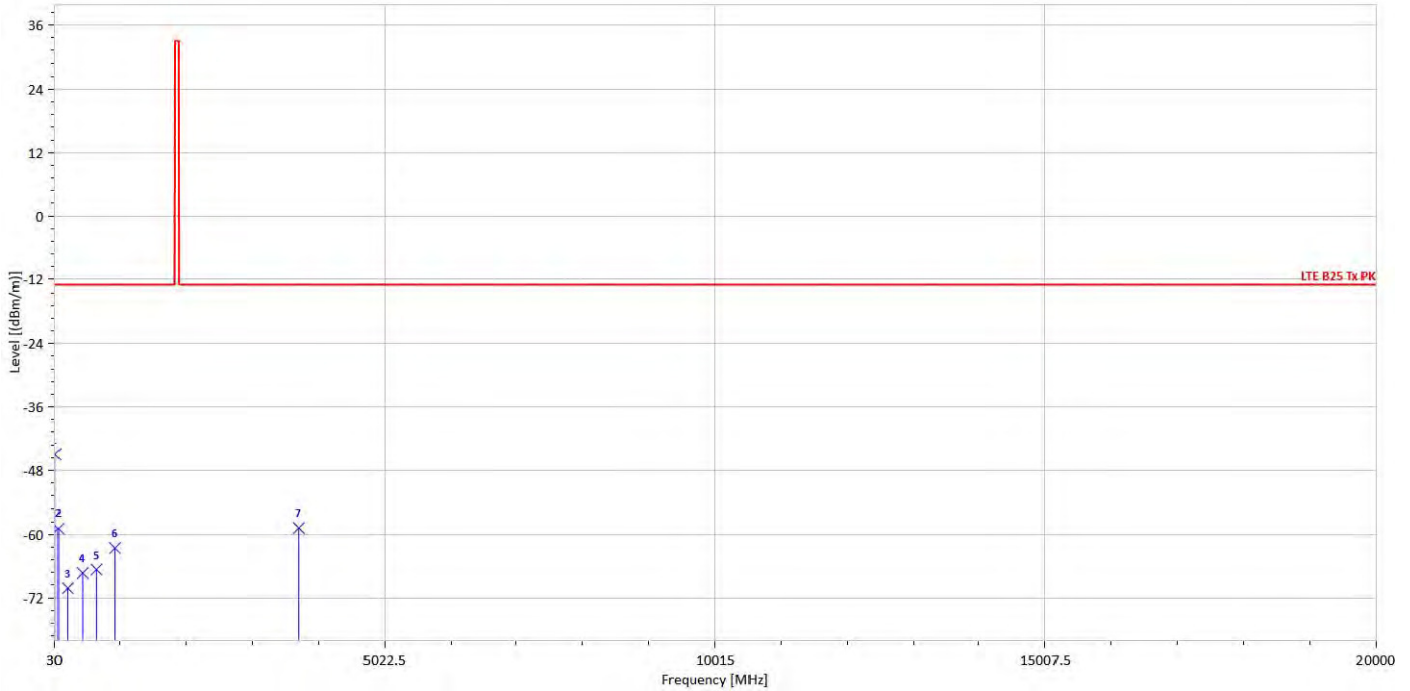
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
77.27	S	-60.12	-59.30	0.37	-1.20	-13	-47.12
135.11	S	-68.03	-66.64	0.22	-1.62	-13	-55.03
233.88	S	-59.53	-63.25	5.88	-2.16	-13	-46.53
307.95	S	-60.15	-63.52	5.87	-2.50	-13	-47.15
485.72	S	-65.16	-68.41	6.43	-3.17	-13	-52.16
711.47	S	-61.71	-65.57	7.71	-3.85	-13	-48.71
3720.00	H	-57.61	-61.13	12.43	-8.91	-13	-44.61

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Operation Mode :	LTEB25 20M 16QAM 1.0	Test Date :	2018/2/22
Fundamental Frequency :	1860 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



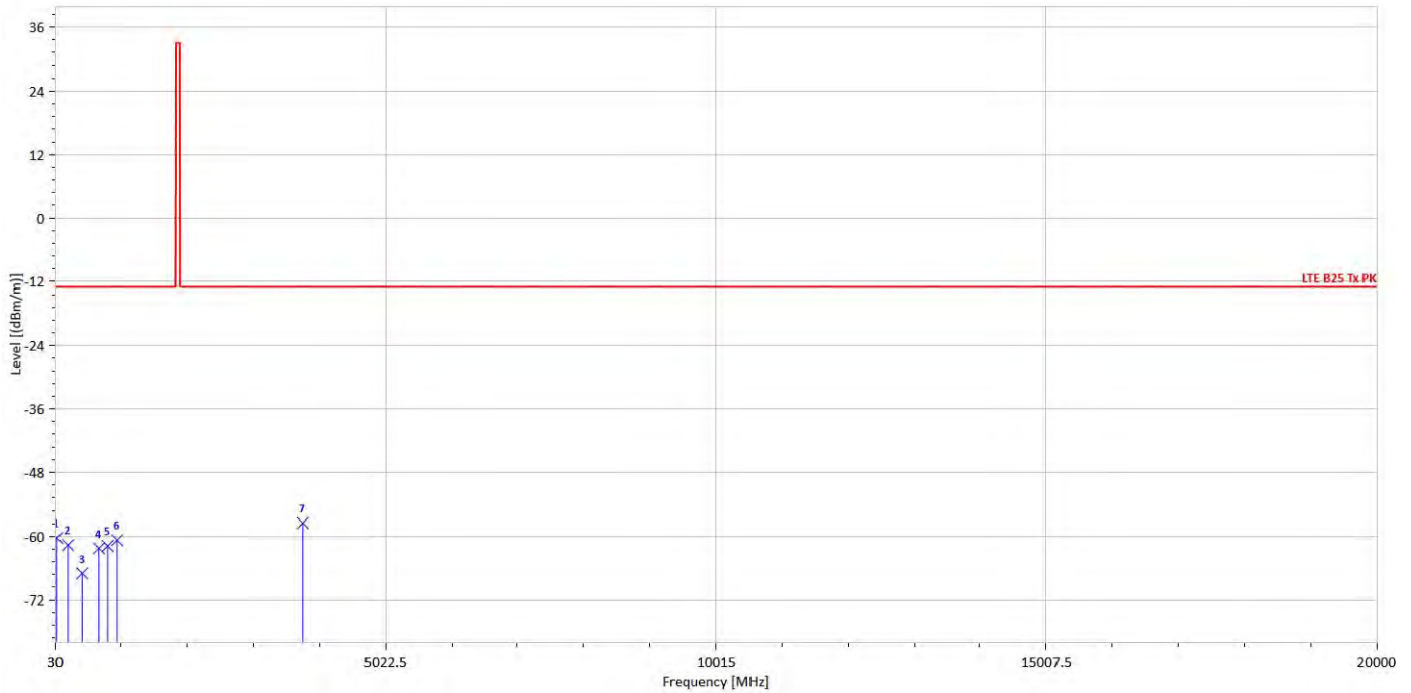
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
41.29	S	-44.87	-33.01	-10.99	-0.87	-13	-31.87
89.26	S	-58.92	-57.56	-0.06	-1.29	-13	-45.92
228.94	S	-70.26	-74.20	6.08	-2.13	-13	-57.26
456.09	S	-67.37	-70.61	6.30	-3.07	-13	-54.37
667.03	S	-66.70	-70.32	7.35	-3.73	-13	-53.70
949.91	S	-62.60	-66.05	7.96	-4.52	-13	-49.60
3720.00	H	-58.78	-62.30	12.43	-8.91	-13	-45.78

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Operation Mode :	LTEB25 20M 16QAM 1.0	Test Date :	2018/2/22
Fundamental Frequency :	1882.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical

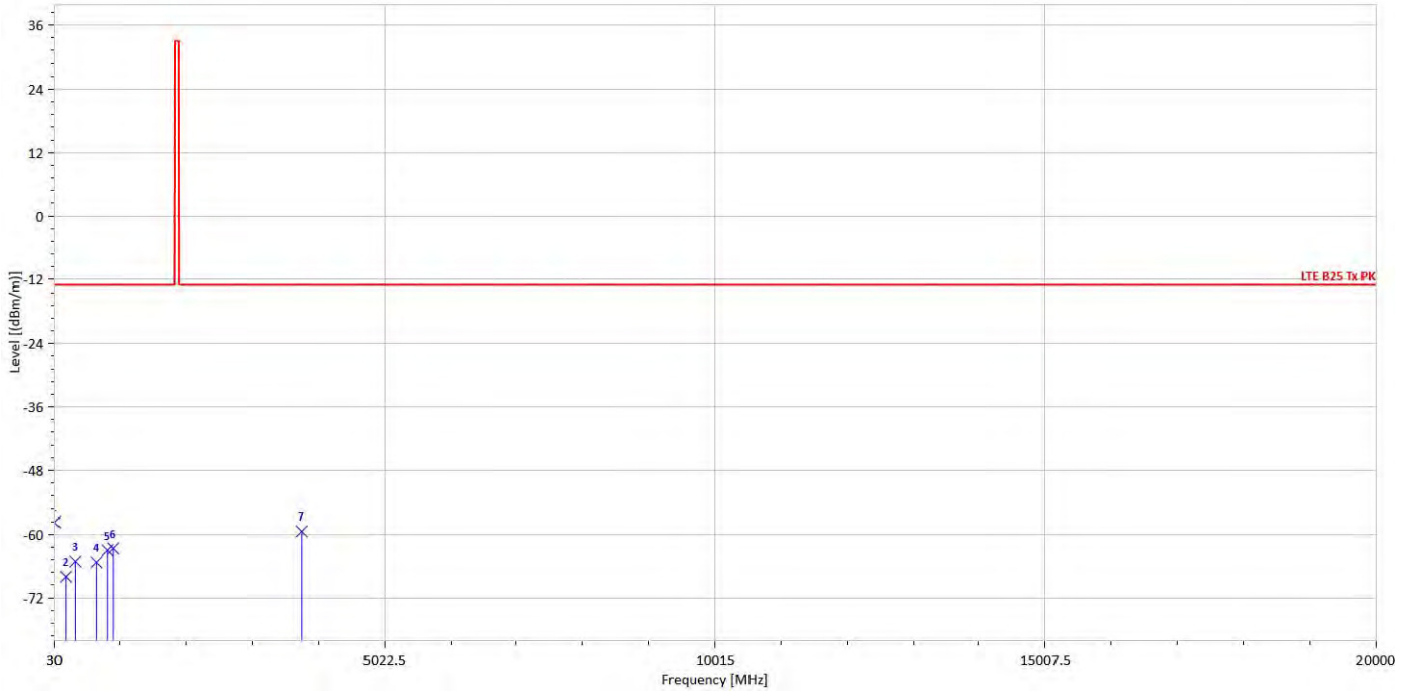


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
54.69	S	-60.31	-56.02	-3.29	-1.00	-13	-47.31
218.36	S	-61.66	-65.89	6.31	-2.08	-13	-48.66
432.81	S	-67.05	-70.16	6.09	-2.99	-13	-54.05
688.89	S	-62.27	-66.06	7.59	-3.80	-13	-49.27
822.23	S	-61.83	-65.45	7.78	-4.17	-13	-48.83
966.84	S	-60.74	-64.18	8.01	-4.57	-13	-47.74
3765.00	H	-57.52	-61.03	12.46	-8.95	-13	-44.52

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Operation Mode :	LTEB25 20M 16QAM 1.0	Test Date :	2018/2/22
Fundamental Frequency :	1882.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



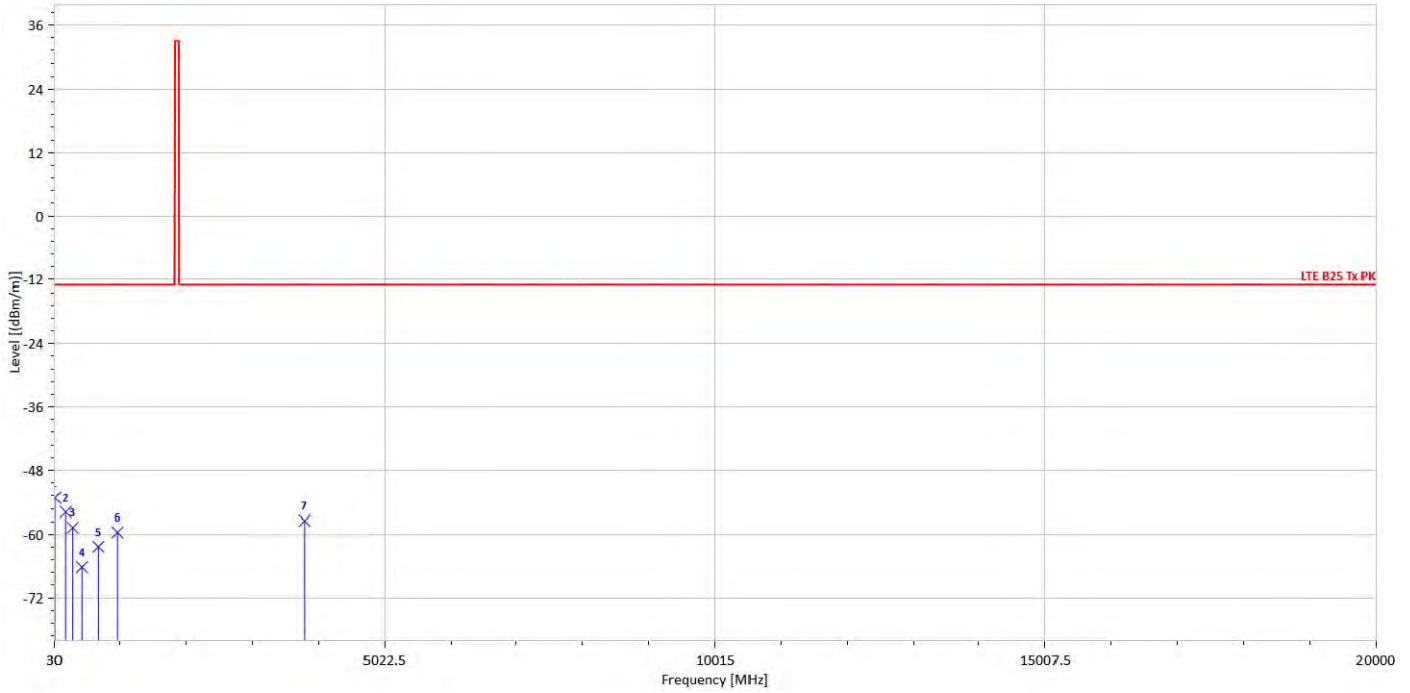
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
36.35	S	-57.75	-41.77	-15.13	-0.85	-13	-44.75
200.01	S	-68.08	-71.82	5.73	-1.99	-13	-55.08
343.93	S	-65.18	-68.50	5.97	-2.66	-13	-52.18
667.03	S	-65.34	-68.96	7.35	-3.73	-13	-52.34
834.92	S	-63.01	-66.58	7.79	-4.22	-13	-50.01
923.11	S	-62.65	-66.13	7.93	-4.45	-13	-49.65
3765.00	H	-59.43	-62.95	12.46	-8.95	-13	-46.43

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Operation Mode :	LTEB25 20M 16QAM 1.0	Test Date :	2018/2/22
Fundamental Frequency :	1905 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical

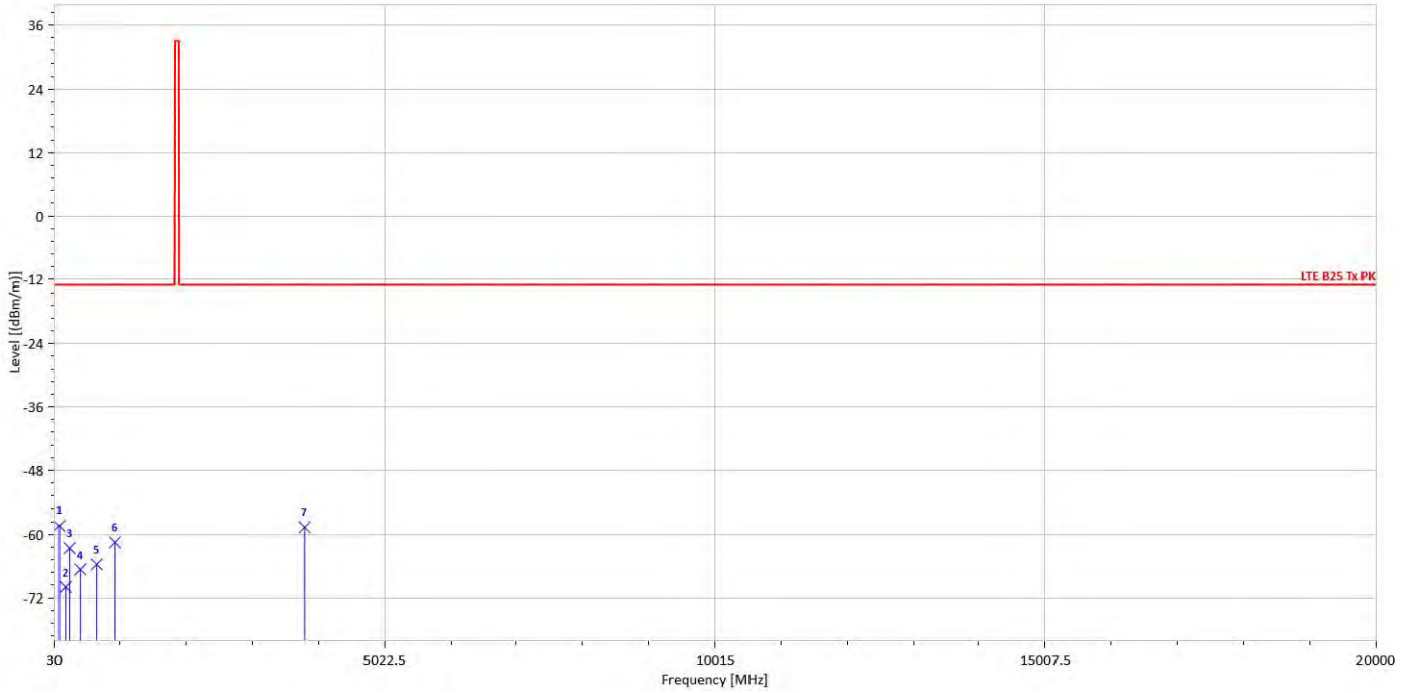


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
43.40	S	-53.15	-42.85	-9.41	-0.89	-13	-40.15
195.78	S	-55.85	-59.68	5.80	-1.97	-13	-42.85
303.72	S	-58.75	-62.13	5.86	-2.48	-13	-45.75
444.81	S	-66.24	-69.44	6.22	-3.03	-13	-53.24
696.65	S	-62.37	-66.23	7.68	-3.81	-13	-49.37
989.42	S	-59.64	-63.09	8.08	-4.63	-13	-46.64
3810.00	H	-57.48	-60.99	12.49	-8.98	-13	-44.48

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Operation Mode :	LTEB25 20M 16QAM 1.0	Test Date :	2018/2/22
Fundamental Frequency :	1905 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
104.78	S	-58.39	-55.51	-1.47	-1.41	-13	-45.39
199.31	S	-70.03	-73.79	5.74	-1.99	-13	-57.03
257.16	S	-62.62	-65.03	4.70	-2.29	-13	-49.62
420.82	S	-66.68	-69.70	5.97	-2.95	-13	-53.68
671.26	S	-65.72	-69.37	7.40	-3.74	-13	-52.72
949.21	S	-61.52	-64.97	7.96	-4.52	-13	-48.52
3810.00	H	-58.65	-62.16	12.49	-8.98	-13	-45.65

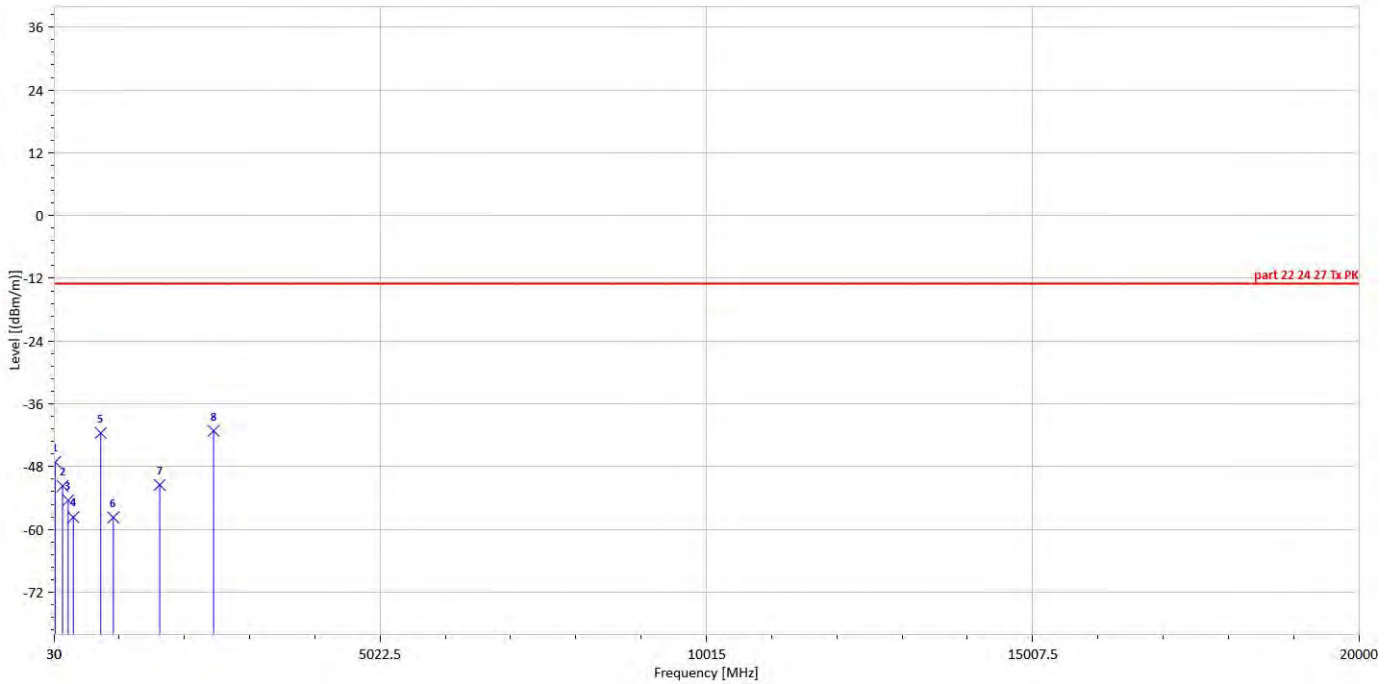
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Radiated Spurious Emission Measurement Result: LTE-Band 26

Operation Mode :	LTEB26 1.4M 16QAM 1.0	Test Date :	2018/2/15
Fundamental Frequency :	824.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical

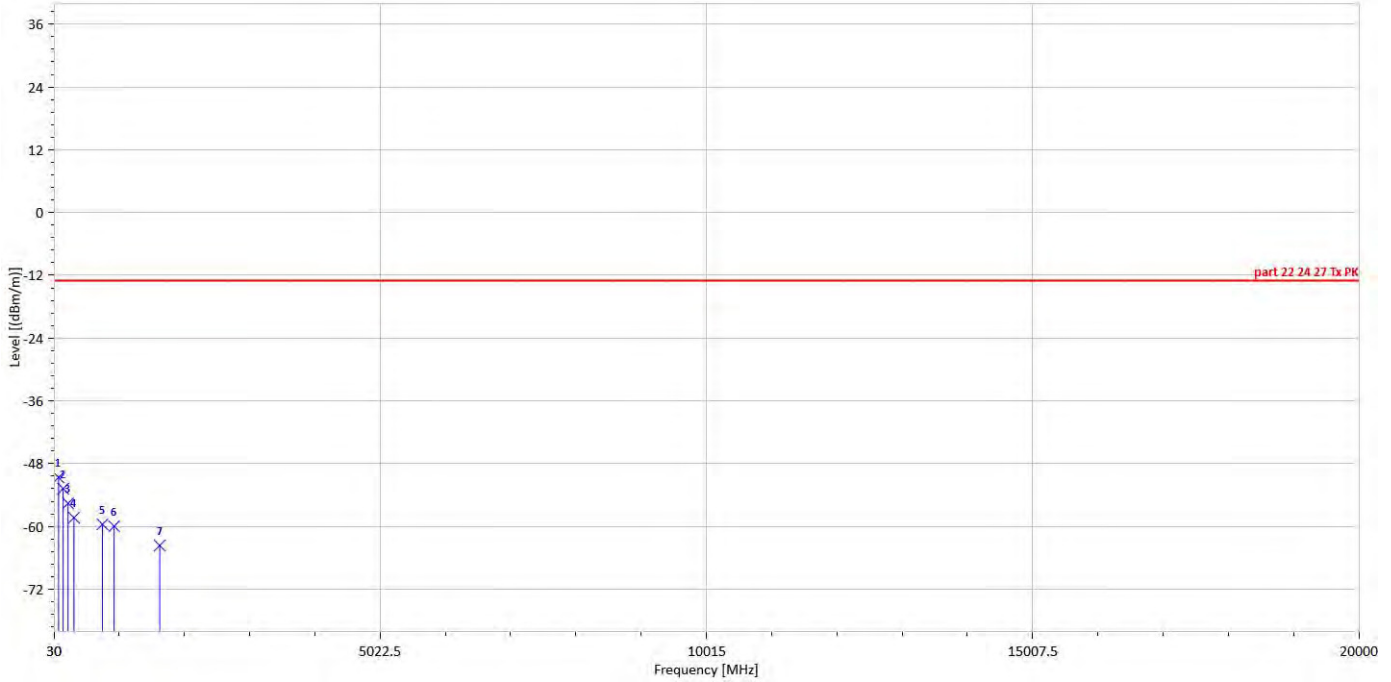


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
49.40	S	-47.11	-38.63	-7.53	-0.94	-13	-34.11
162.89	S	-51.67	-51.58	1.70	-1.79	-13	-38.67
248.25	S	-54.43	-55.07	2.88	-2.24	-13	-41.43
326.82	S	-57.66	-58.54	3.47	-2.59	-13	-44.66
746.83	S	-41.59	-42.81	5.15	-3.93	-13	-28.59
938.89	S	-57.71	-58.58	5.37	-4.50	-13	-44.71
1649.40	H	-51.48	-51.59	6.55	-6.44	-13	-38.48
2474.10	H	-41.15	-41.87	8.52	-7.79	-13	-28.15

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Operation Mode : LTEB26 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 824.7 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal

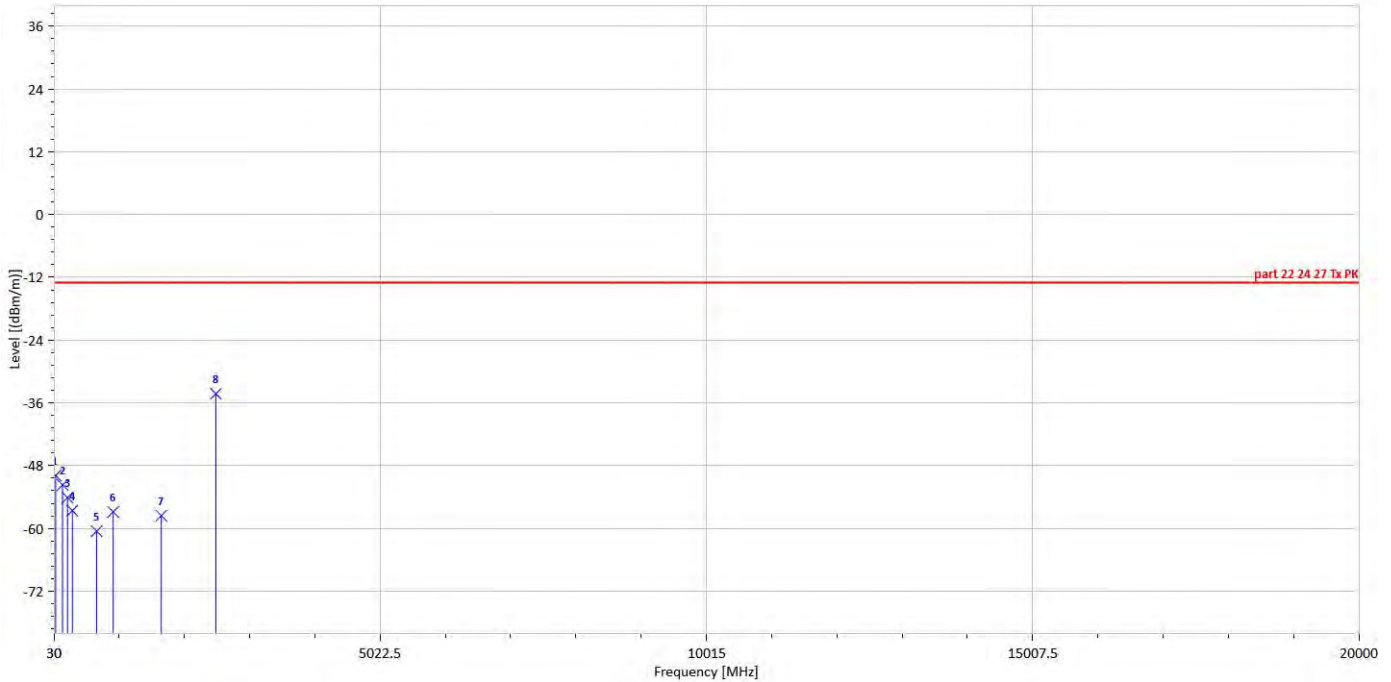


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
101.78	S	-50.62	-45.84	-3.39	-1.39	-13	-37.62
171.62	S	-52.78	-53.69	2.75	-1.84	-13	-39.78
246.31	S	-55.59	-56.31	2.95	-2.23	-13	-42.59
336.52	S	-58.33	-59.16	3.46	-2.63	-13	-45.33
773.02	S	-59.59	-60.76	5.19	-4.02	-13	-46.59
951.50	S	-59.96	-60.85	5.41	-4.52	-13	-46.96
1649.40	H	-63.65	-63.77	6.58	-6.45	-13.01	-50.64

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Operation Mode : LTEB26 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 836.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical

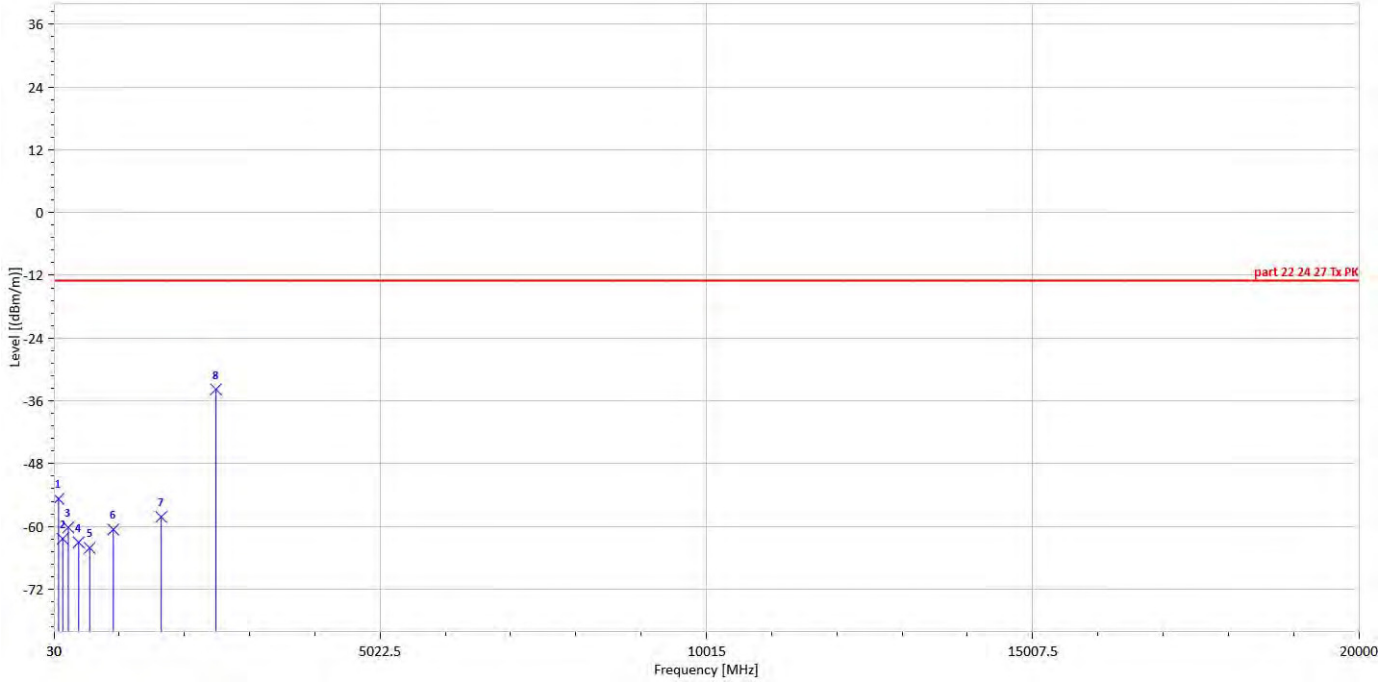


Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level	Gain	Loss	@3m	dB
			dBm	dBd/dBi	dB	dBm/m	
57.16	S	-49.88	-44.55	-4.31	-1.02	-13	-36.88
162.89	S	-51.67	-51.58	1.70	-1.79	-13	-38.67
238.55	S	-54.12	-55.16	3.22	-2.18	-13	-41.12
312.27	S	-56.59	-57.56	3.49	-2.52	-13	-43.59
684.75	S	-60.51	-61.65	4.93	-3.78	-13	-47.51
936.95	S	-56.84	-57.71	5.37	-4.49	-13	-43.84
1673.00	H	-57.56	-57.83	6.88	-6.60	-13.01	-44.55
2509.50	H	-34.26	-34.99	8.56	-7.84	-13.01	-21.25

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Operation Mode : LTEB26 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 836.5 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal

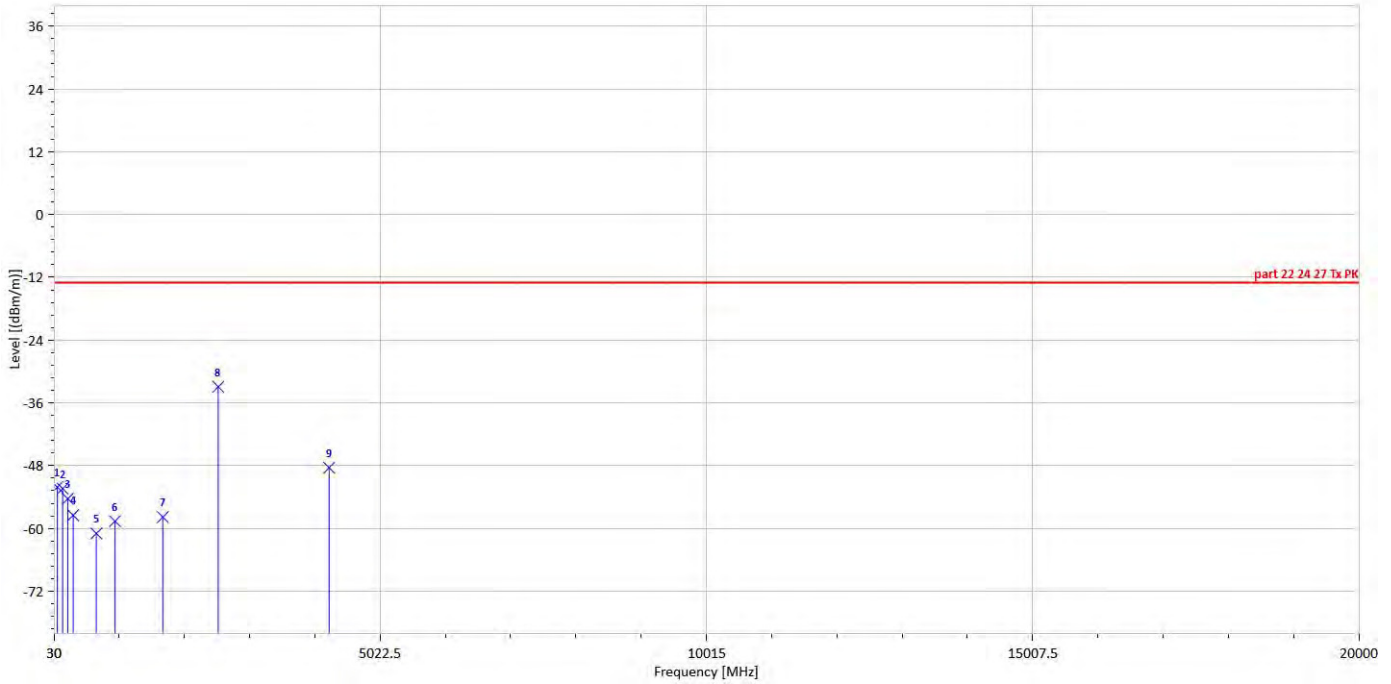


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
101.78	S	-54.73	-49.95	-3.39	-1.39	-13	-41.73
164.83	S	-62.35	-62.49	1.93	-1.80	-13	-49.35
250.19	S	-60.20	-60.75	2.81	-2.25	-13	-47.20
408.30	S	-63.02	-63.38	3.27	-2.91	-13	-50.02
577.08	S	-64.09	-64.77	4.16	-3.48	-13	-51.09
937.92	S	-60.59	-61.46	5.37	-4.49	-13	-47.59
1673.00	H	-58.18	-58.36	6.67	-6.50	-13.01	-45.17
2509.50	H	-33.80	-34.52	8.56	-7.84	-13.01	-20.79

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Operation Mode : LTEB26 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 848.3 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical

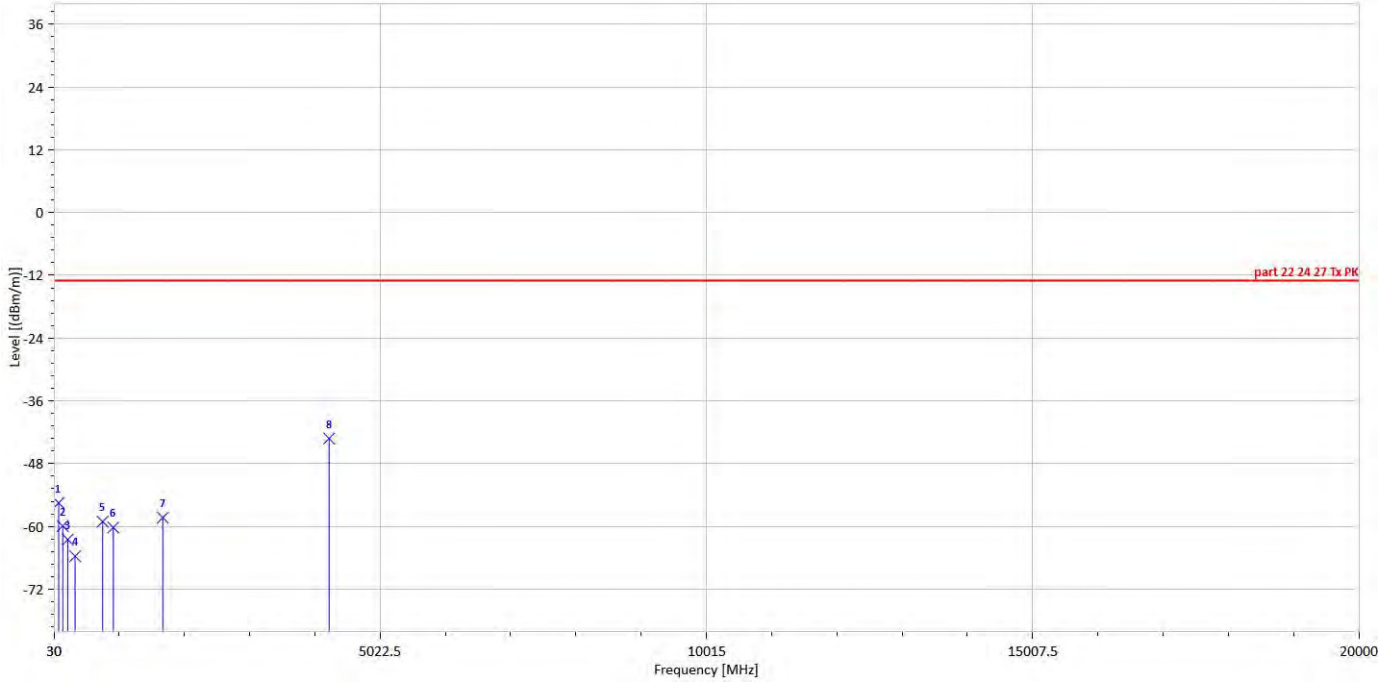


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
83.35	S	-52.09	-48.97	-1.87	-1.25	-13	-39.09
163.86	S	-52.39	-52.41	1.81	-1.79	-13	-39.39
242.43	S	-54.32	-55.20	3.08	-2.20	-13	-41.32
324.88	S	-57.48	-58.37	3.47	-2.58	-13	-44.48
678.93	S	-60.95	-62.06	4.87	-3.77	-13	-47.95
965.08	S	-58.61	-59.50	5.46	-4.57	-13	-45.61
1696.60	H	-57.82	-58.10	6.88	-6.60	-13.01	-44.81
2544.90	H	-32.90	-33.63	8.60	-7.87	-13.01	-19.89
4241.50	H	-48.38	-49.48	10.45	-9.35	-13.01	-35.37

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Operation Mode : LTEB26 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 848.3 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level	Gain	Loss	@3m	dB
				dBd/dBi	dB	dBm/m	
102.75	S	-55.50	-50.69	-3.41	-1.40	-13	-42.50
164.83	S	-59.91	-60.04	1.93	-1.80	-13	-46.91
242.43	S	-62.51	-63.39	3.08	-2.20	-13	-49.51
353.98	S	-65.69	-66.42	3.42	-2.69	-13	-52.69
776.90	S	-59.08	-60.24	5.19	-4.04	-13	-46.08
937.92	S	-60.19	-61.06	5.37	-4.49	-13	-47.19
1696.60	H	-58.31	-58.57	6.85	-6.59	-13.01	-45.30
4241.50	H	-43.18	-43.91	8.60	-7.87	-13.01	-30.17

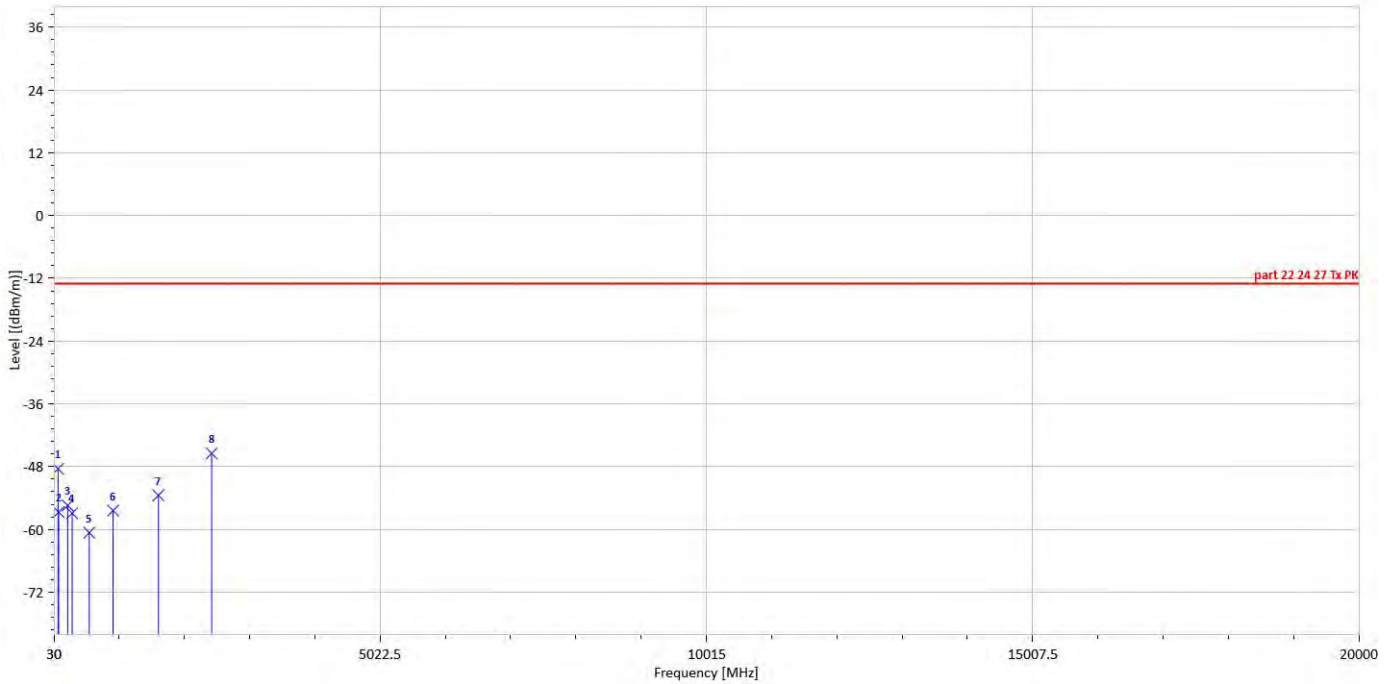
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Radiated Spurious Emission Measurement Result: LTE-Band 26 for Part 90S

Operation Mode :	LTEB26 1.4M 16QAM 1.5	Test Date :	2018/2/15
Fundamental Frequency :	814.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



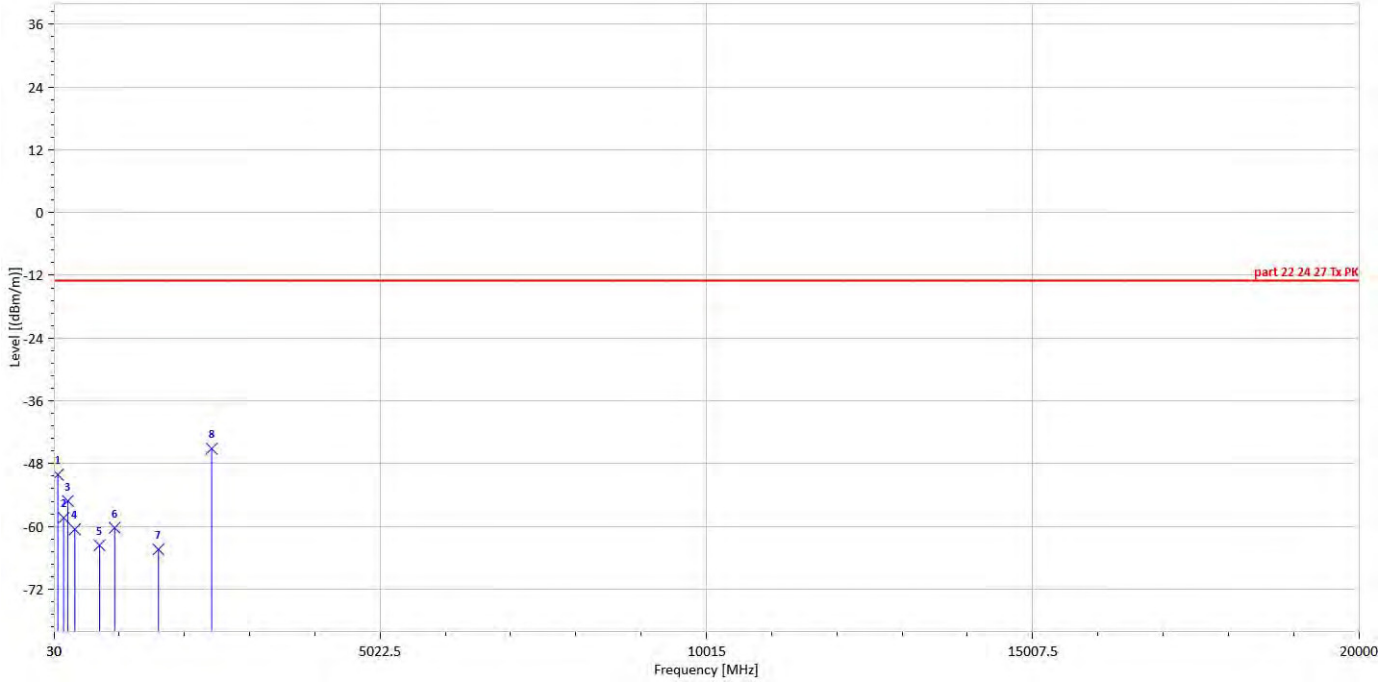
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
94.02	S	-48.41	-44.38	-2.69	-1.33	-13	-35.41
103.72	S	-56.69	-51.84	-3.44	-1.41	-13	-43.69
240.49	S	-55.39	-56.34	3.14	-2.19	-13	-42.39
309.36	S	-56.90	-57.88	3.49	-2.51	-13	-43.90
571.26	S	-60.62	-61.27	4.12	-3.46	-13	-47.62
935.01	S	-56.40	-57.28	5.36	-4.49	-13	-43.40
1629.40	H	-53.47	-53.56	6.50	-6.41	-13.01	-40.46
2444.10	H	-45.47	-46.20	8.49	-7.76	-13.01	-32.46

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Operation Mode : LTEB26 1.4M 16QAM 1.5 Test Date : 2018/2/15
 Fundamental Frequency : 814.7 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



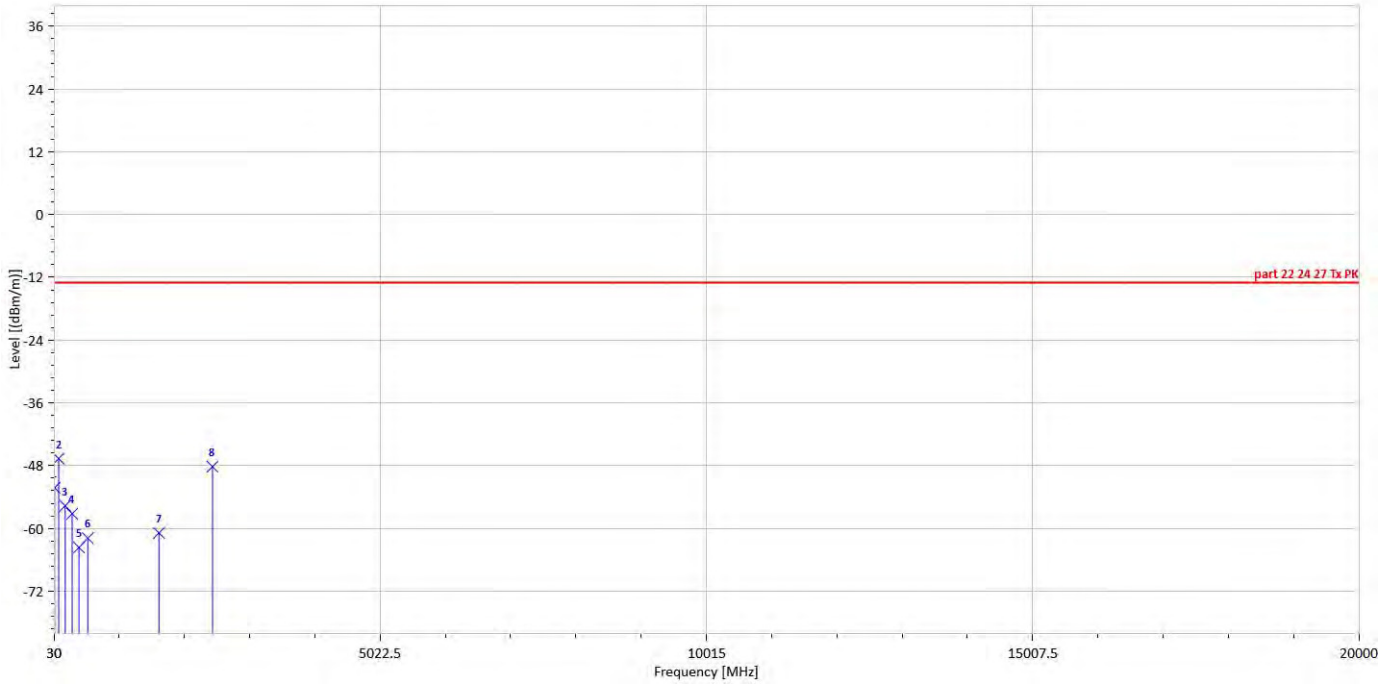
Freq.	Note	ERP/EIRP	SG Output	Antenna	Cable	Limit	Margin
MHz	F/H/E/S	dBm	Level	Gain	Loss	@3m	dB
			dBm	dBd/dBi	dB	dBm/m	
90.14	S	-50.10	-46.52	-2.28	-1.30	-13	-37.10
179.38	S	-58.36	-60.09	3.60	-1.88	-13	-45.36
243.40	S	-55.13	-55.96	3.04	-2.21	-13	-42.13
350.10	S	-60.54	-61.30	3.44	-2.68	-13	-47.54
728.40	S	-63.58	-64.80	5.12	-3.90	-13	-50.58
960.23	S	-60.25	-61.14	5.44	-4.55	-13	-47.25
1629.40	H	-64.40	-64.48	6.49	-6.41	-13.01	-51.39
2444.10	H	-45.13	-45.87	8.49	-7.76	-13.01	-32.12

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Operation Mode : LTEB26 1.4M 16QAM 1.5 Test Date : 2018/2/15
 Fundamental Frequency : 819 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical



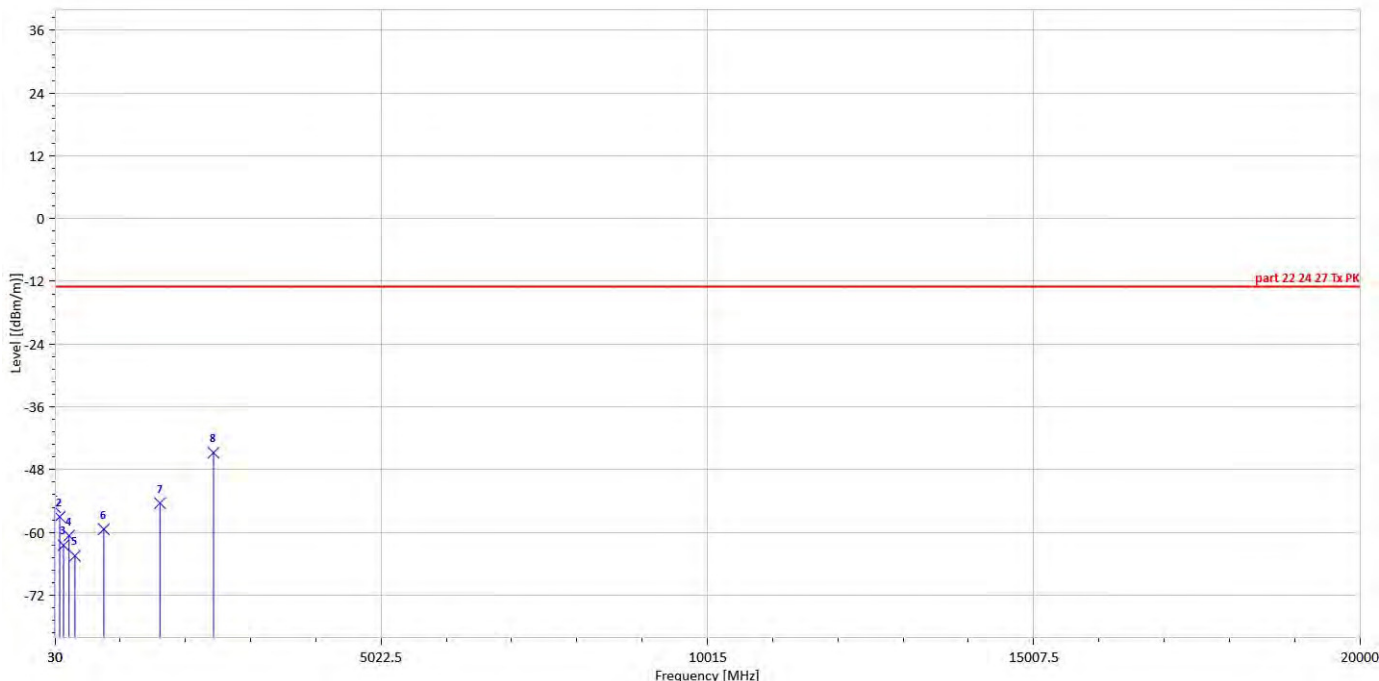
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
39.70	S	-52.22	-37.02	-14.34	-0.86	-13	-39.22
103.72	S	-46.65	-41.80	-3.44	-1.41	-13	-33.65
202.66	S	-55.65	-57.49	3.84	-2.00	-13	-42.65
309.36	S	-57.18	-58.16	3.49	-2.51	-13	-44.18
414.12	S	-63.63	-64.02	3.32	-2.93	-13	-50.63
547.98	S	-61.86	-62.43	3.97	-3.40	-13	-48.86
1638.00	H	-60.87	-60.97	6.53	-6.43	-13.01	-47.86
2457.00	H	-48.19	-48.92	8.51	-7.78	-13.01	-35.18

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Operation Mode : LTEB26 1.4M 16QAM 1.5 Test Date : 2018/2/15
 Fundamental Frequency : 819 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



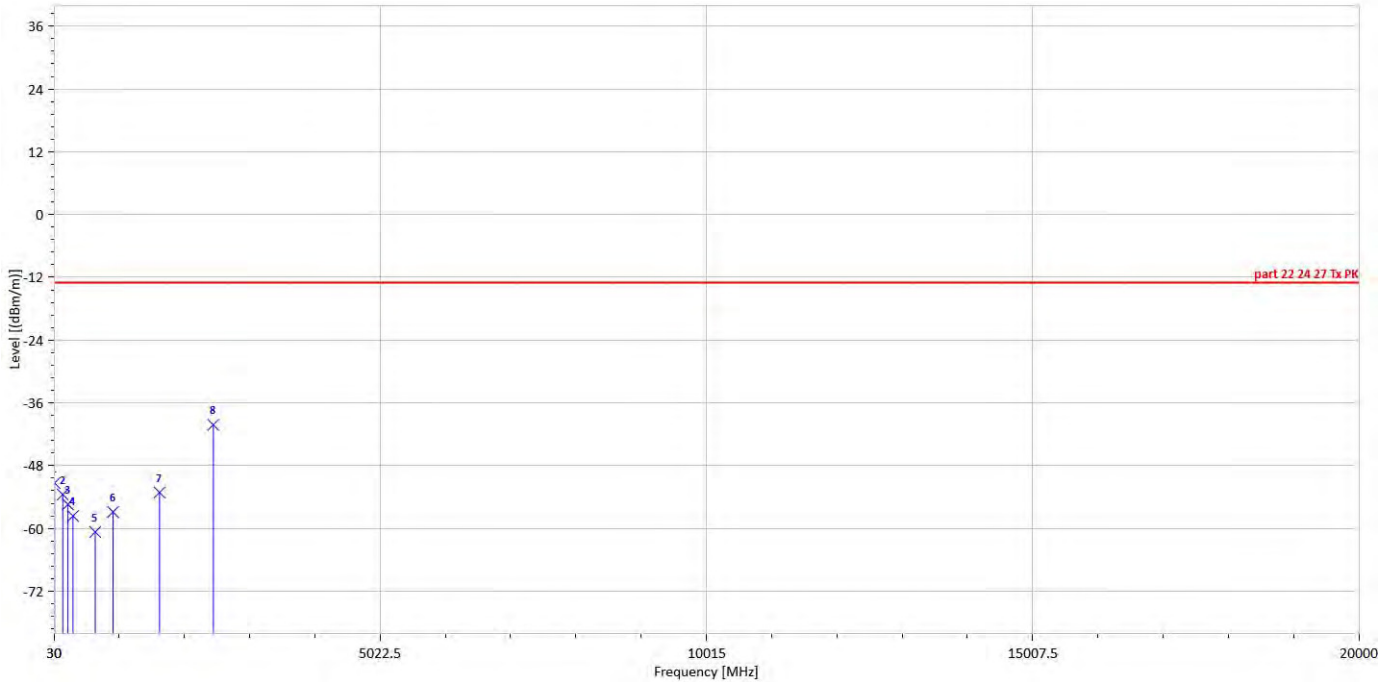
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
31.94	S	-55.17	-33.52	-20.82	-0.83	-13	-42.17
102.75	S	-57.01	-52.20	-3.41	-1.40	-13	-44.01
161.92	S	-62.45	-62.24	1.58	-1.78	-13	-49.45
247.28	S	-60.62	-61.30	2.91	-2.23	-13	-47.62
336.52	S	-64.46	-65.29	3.46	-2.63	-13	-51.46
777.87	S	-59.37	-60.52	5.19	-4.04	-13	-46.37
1638.00	H	-54.39	-54.49	6.53	-6.43	-13.01	-41.38
2457.00	H	-44.77	-45.49	8.51	-7.78	-13.01	-31.76

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Operation Mode : LTEB26 1.4M 16QAM 1.5 Test Date : 2018/2/15
 Fundamental Frequency : 823.3 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical

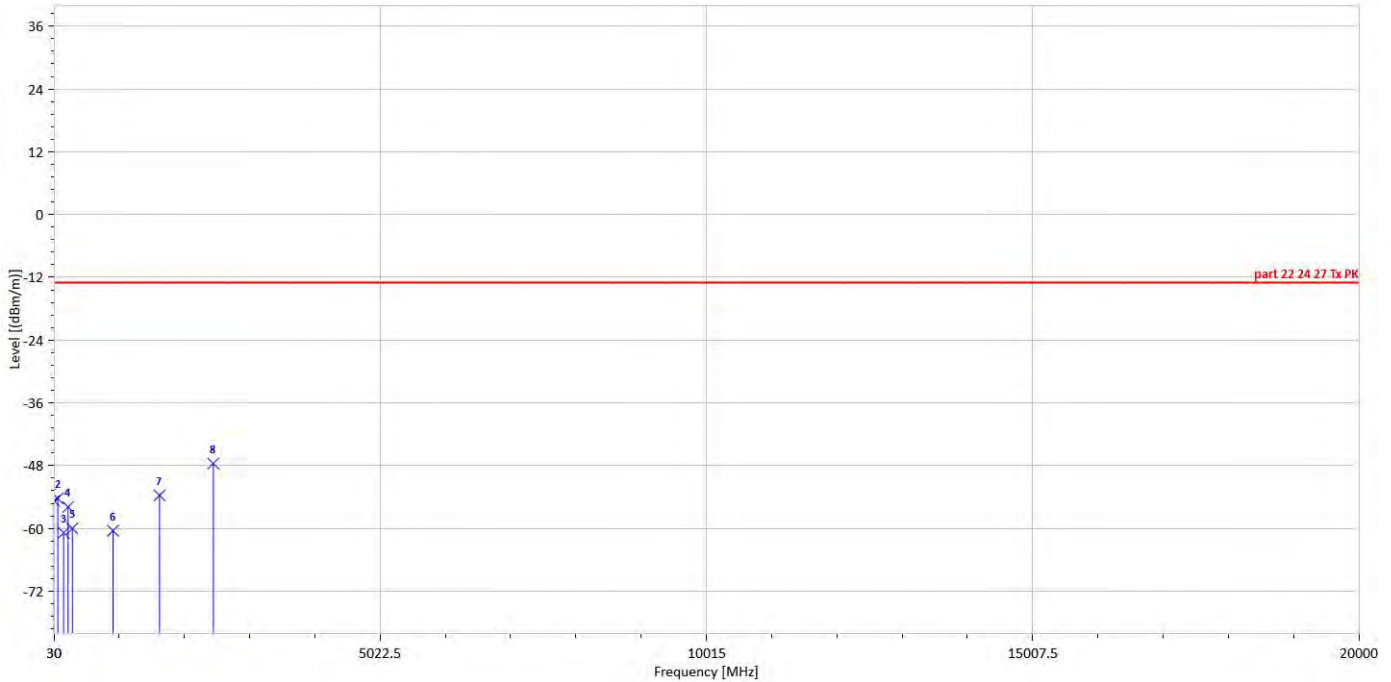


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
39.70	S	-51.32	-36.11	-14.34	-0.86	-13	-38.32
164.83	S	-53.51	-53.64	1.93	-1.80	-13	-40.51
244.37	S	-55.40	-56.19	3.01	-2.22	-13	-42.40
321.97	S	-57.61	-58.51	3.47	-2.57	-13	-44.61
662.44	S	-60.66	-61.67	4.73	-3.72	-13	-47.66
935.01	S	-56.84	-57.72	5.36	-4.49	-13	-43.84
1646.60	H	-53.12	-53.23	6.55	-6.44	-13.01	-40.11
2469.90	H	-40.20	-40.92	8.52	-7.79	-13.01	-27.19

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Operation Mode : LTEB26 1.4M 16QAM 1.5 Test Date : 2018/2/15
 Fundamental Frequency : 823.3 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-54.72	-33.91	-19.97	-0.83	-13	-41.72
90.14	S	-54.25	-50.68	-2.28	-1.30	-13	-41.25
179.38	S	-60.83	-62.55	3.60	-1.88	-13	-47.83
246.31	S	-55.89	-56.61	2.95	-2.23	-13	-42.89
313.24	S	-60.02	-60.97	3.48	-2.53	-13	-47.02
934.04	S	-60.43	-61.30	5.36	-4.48	-13	-47.43
1646.60	H	-53.68	-53.79	6.55	-6.44	-13.01	-40.67
2469.90	H	-47.60	-48.32	8.52	-7.79	-13.01	-34.59

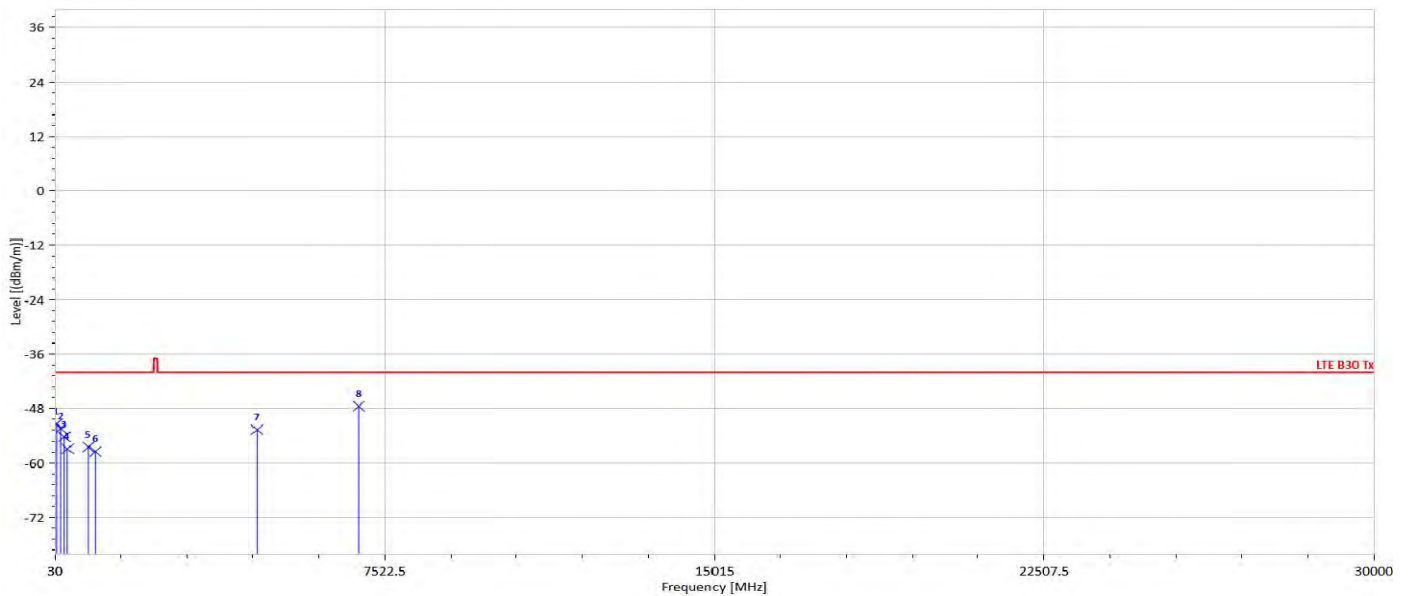
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Radiated Spurious Emission Measurement Result: LTE-Band 30

Operation Mode :	LTEB30 5M 16QAM 1.24	Test Date :	2018/4/2
Fundamental Frequency :	2307.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



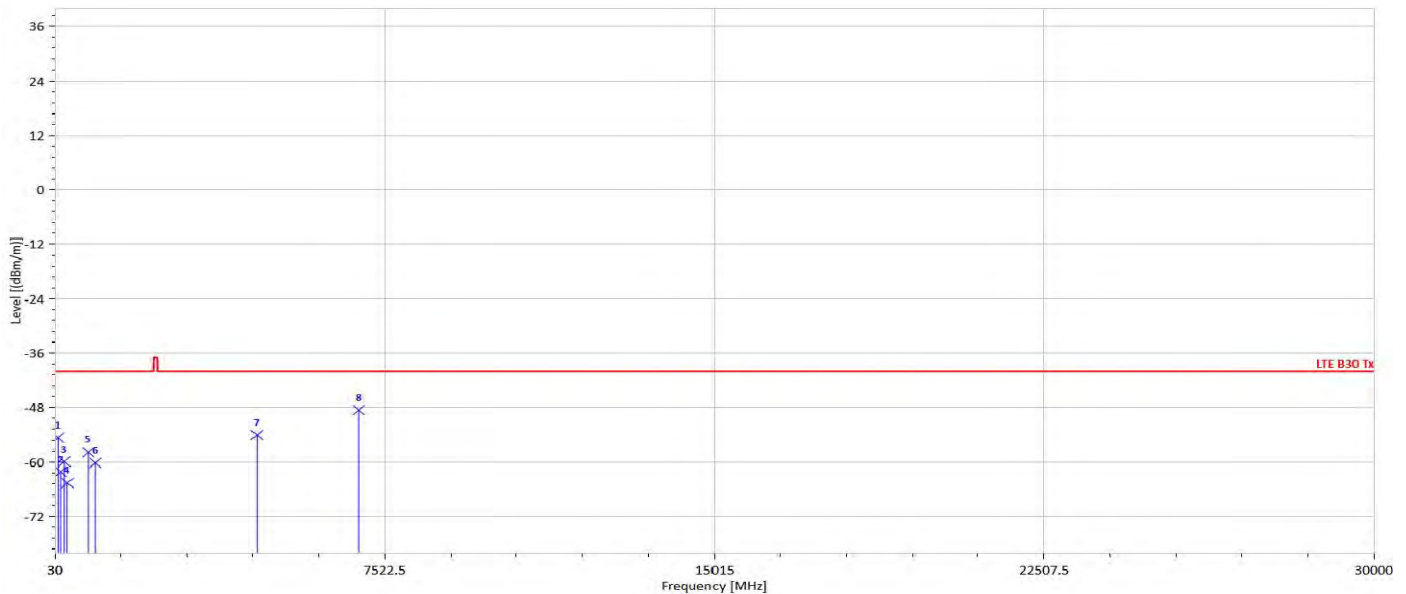
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
71.71	S	-51.35	-50.37	0.17	-1.15	-40	-11.35
162.89	S	-52.36	-54.09	3.52	-1.79	-40	-12.36
242.43	S	-54.24	-57.54	5.51	-2.20	-40	-14.24
312.27	S	-56.88	-60.25	5.89	-2.52	-40	-16.88
776.90	S	-56.48	-60.19	7.74	-4.04	-40	-16.48
939.86	S	-57.47	-60.92	7.95	-4.50	-40	-17.47
4615.00	H	-52.66	-55.63	12.58	-9.61	-40	-12.66
6922.50	H	-47.49	-48.33	12.05	-11.21	-40	-7.49

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Operation Mode :	LTEB30 5M 16QAM 1.24	Test Date :	2018/4/2
Fundamental Frequency :	2307.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal

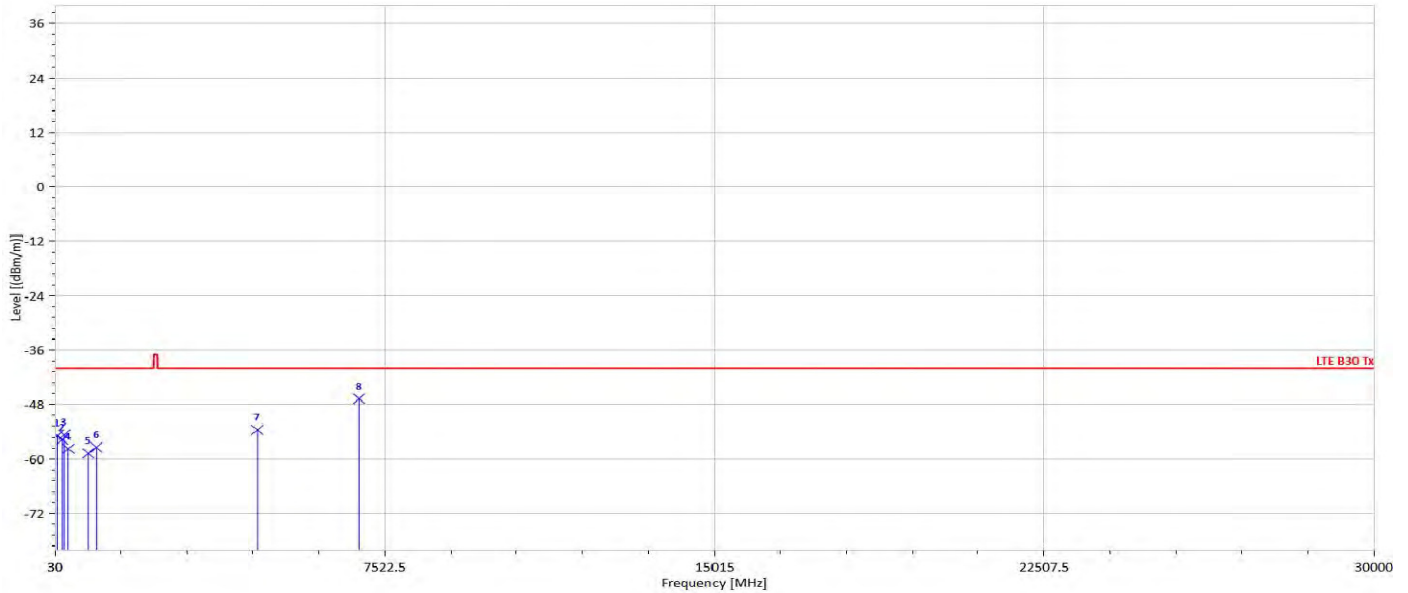


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
103.72	S	-54.68	-51.85	-1.43	-1.41	-40	-14.68
162.89	S	-62.14	-63.88	3.52	-1.79	-40	-22.14
244.37	S	-59.92	-63.12	5.42	-2.22	-40	-19.92
308.39	S	-64.65	-68.02	5.88	-2.50	-40	-24.65
777.87	S	-57.83	-61.53	7.74	-4.04	-40	-17.83
936.95	S	-60.21	-63.66	7.95	-4.49	-40	-20.21
4615.00	H	-54.07	-57.03	12.58	-9.61	-40	-14.07
6922.50	H	-48.55	-49.38	12.05	-11.21	-40	-8.55

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Operation Mode :	LTEB30 5M 16QAM 1.24	Test Date :	2018/4/2
Fundamental Frequency :	2310 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical

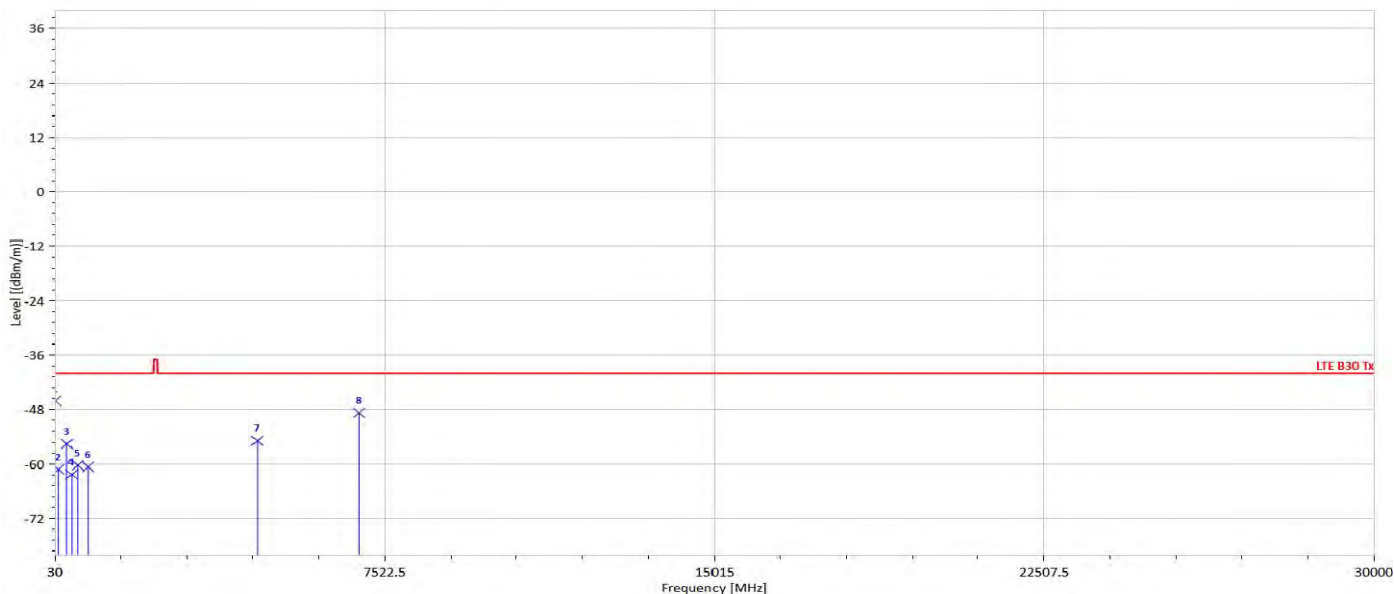


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
83.35	S	-54.90	-53.94	0.28	-1.25	-40	-14.90
200.72	S	-55.71	-59.47	5.75	-1.99	-40	-15.71
243.40	S	-54.65	-57.91	5.46	-2.21	-40	-14.65
330.70	S	-57.73	-61.06	5.94	-2.60	-40	-17.73
773.99	S	-58.73	-62.45	7.74	-4.03	-40	-18.73
964.11	S	-57.42	-60.87	8.01	-4.56	-40	-17.42
4620.00	H	-53.60	-56.56	12.58	-9.61	-40	-13.60
6930.00	H	-46.70	-47.53	12.04	-11.22	-40	-6.70

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Operation Mode :	LTEB30 5M 16QAM 1.24	Test Date :	2018/4/2
Fundamental Frequency :	2310 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



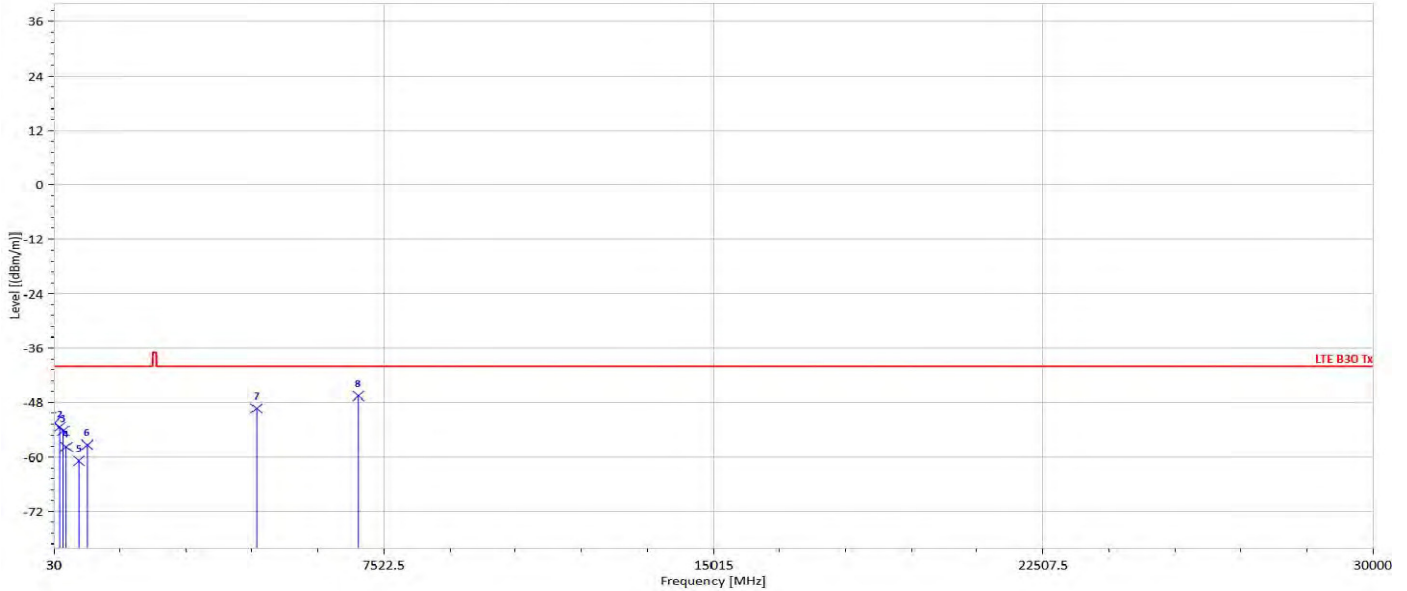
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
40.67	S	-46.11	-33.79	-11.45	-0.87	-40	-6.11
110.51	S	-61.19	-58.10	-1.64	-1.45	-40	-21.19
297.72	S	-55.59	-58.97	5.83	-2.45	-40	-15.59
402.48	S	-62.30	-65.20	5.78	-2.88	-40	-22.30
535.37	S	-60.29	-63.43	6.51	-3.37	-40	-20.29
773.99	S	-60.63	-64.34	7.74	-4.03	-40	-20.63
4620.00	H	-54.91	-57.88	12.58	-9.61	-40	-14.91
6930.00	H	-48.71	-49.54	12.04	-11.22	-40	-8.71

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Operation Mode :	LTEB30 5M 16QAM 1.24	Test Date :	2018/4/2
Fundamental Frequency :	2312.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



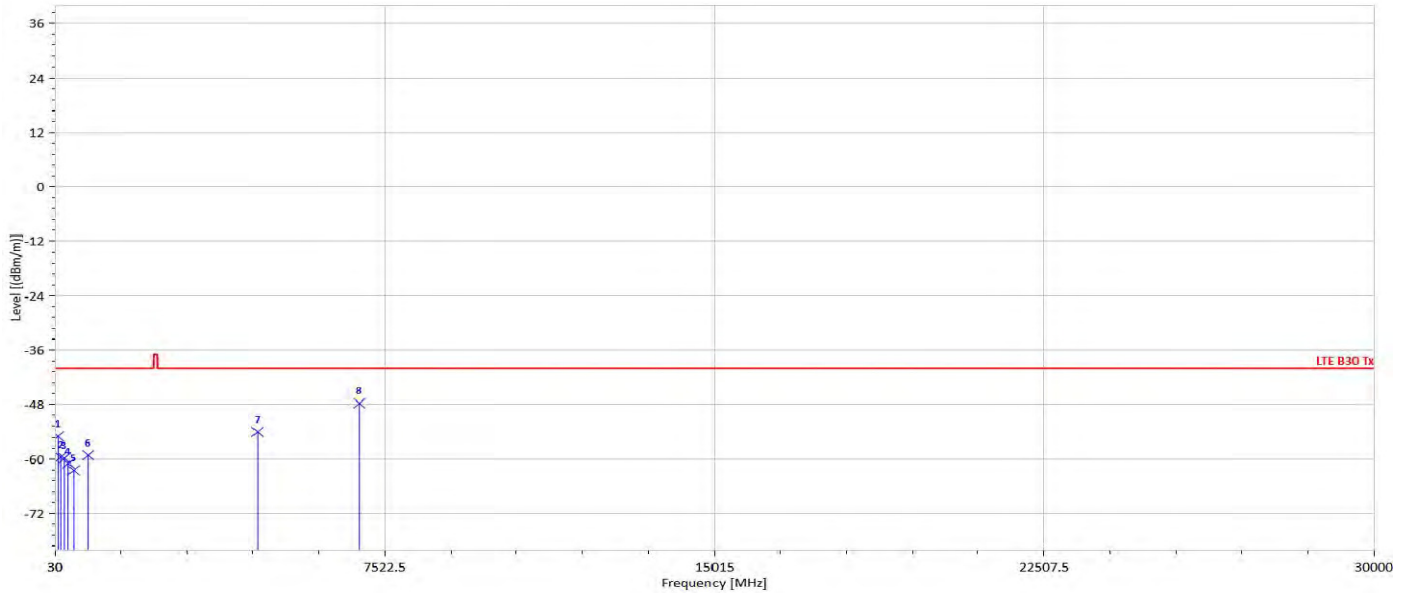
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
38.73	S	-52.46	-38.54	-13.06	-0.85	-40	-12.46
163.86	S	-53.35	-55.18	3.63	-1.79	-40	-13.35
240.49	S	-54.28	-57.68	5.59	-2.19	-40	-14.28
307.42	S	-57.73	-61.11	5.87	-2.50	-40	-17.73
582.90	S	-60.85	-64.16	6.82	-3.50	-40	-20.85
776.90	S	-57.33	-61.03	7.74	-4.04	-40	-17.33
4625.00	H	-49.29	-52.25	12.58	-9.62	-40	-9.29
6937.50	H	-46.52	-47.34	12.04	-11.22	-40	-6.52

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Operation Mode :	LTEB30 5M 16QAM 1.24	Test Date :	2018/4/2
Fundamental Frequency :	2312.5 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
102.75	S	-55.01	-52.22	-1.39	-1.40	-40	-15.01
164.83	S	-59.60	-61.54	3.74	-1.80	-40	-19.60
247.28	S	-59.85	-62.90	5.29	-2.23	-40	-19.85
330.70	S	-60.98	-64.32	5.94	-2.60	-40	-20.98
445.16	S	-62.50	-65.69	6.22	-3.03	-40	-22.50
773.02	S	-59.16	-62.88	7.74	-4.02	-40	-19.16
4625.00	H	-54.04	-57.00	12.58	-9.62	-40	-14.04
6937.50	H	-47.73	-48.54	12.04	-11.22	-40	-7.73

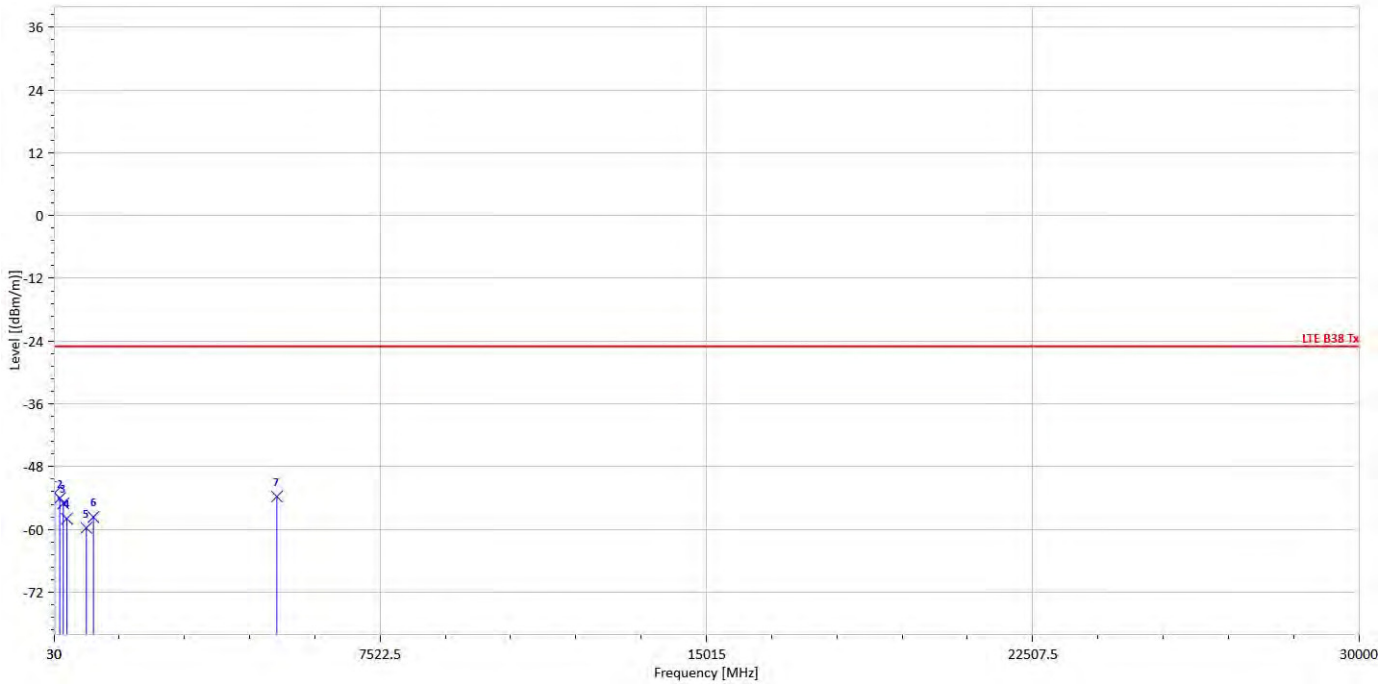
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Radiated Spurious Emission Measurement Result: LTE-Band 38

Operation Mode :	LTEB38 10M QPSK 1.0	Test Date :	2018/2/15
Fundamental Frequency :	2575 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical

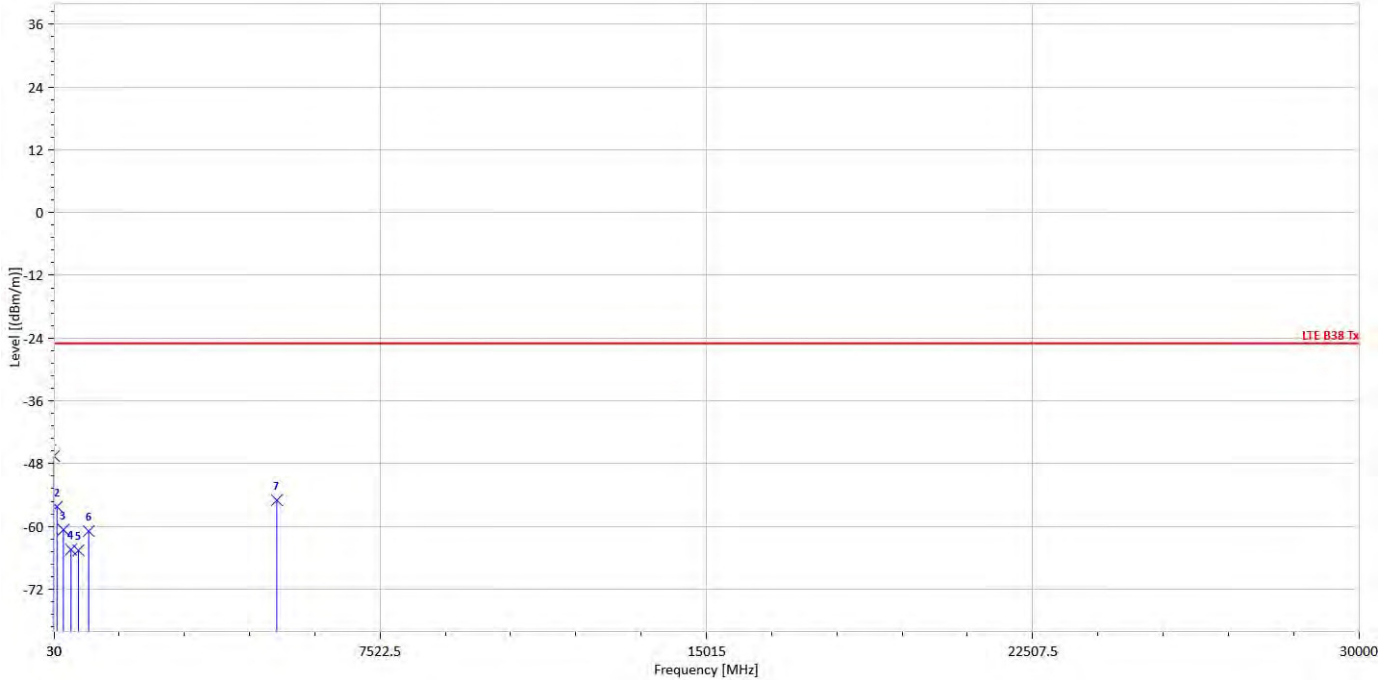


Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
44.55	S	-53.02	-43.56	-8.56	-0.90	-25	-28.02
165.80	S	-54.01	-56.05	3.85	-1.80	-25	-29.01
245.34	S	-55.03	-58.18	5.38	-2.22	-25	-30.03
326.82	S	-57.95	-61.29	5.93	-2.59	-25	-32.95
774.96	S	-59.71	-63.42	7.74	-4.03	-25	-34.71
936.95	S	-57.64	-61.09	7.95	-4.49	-25	-32.64
5150.00	H	-53.71	-56.32	12.65	-10.04	-25	-28.71

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Operation Mode : LTEB38 10M QPSK 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 2575 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



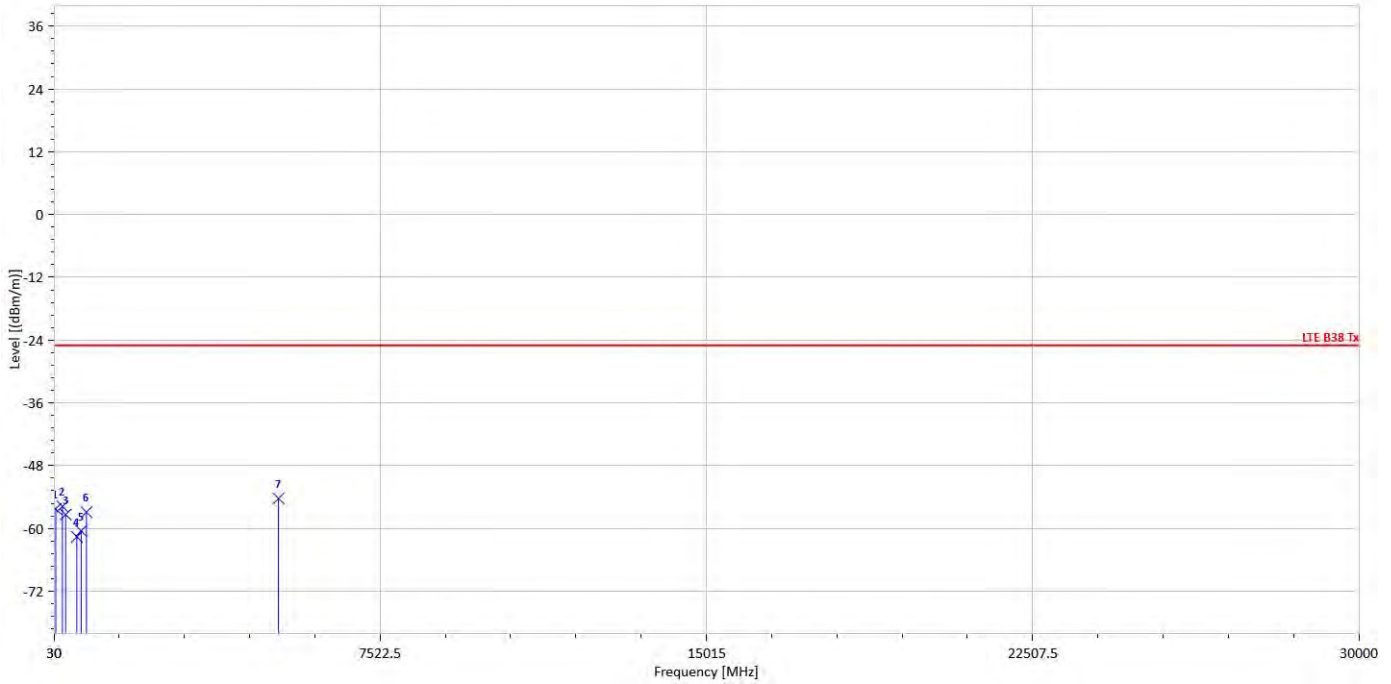
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
32.91	S	-46.54	-27.71	-18.00	-0.83	-25	-21.54
101.78	S	-56.21	-53.47	-1.36	-1.39	-25	-31.21
248.25	S	-60.64	-63.64	5.25	-2.24	-25	-35.64
420.91	S	-64.42	-67.44	5.97	-2.95	-25	-39.42
592.60	S	-64.58	-67.95	6.91	-3.54	-25	-39.58
830.25	S	-60.87	-64.46	7.79	-4.20	-25	-35.87
5150.00	H	-54.99	-57.60	12.65	-10.04	-25	-29.99

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Operation Mode : LTEB38 10M QPSK 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 2595 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical

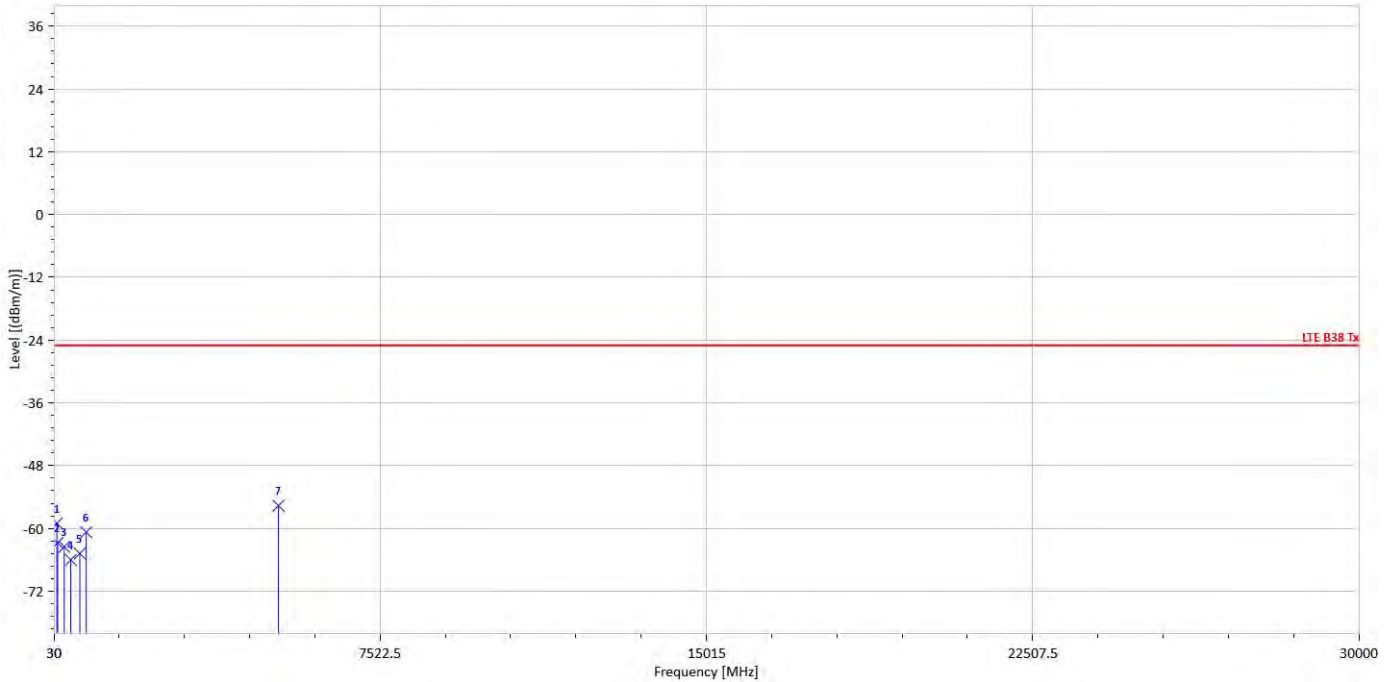


Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
72.68	S	-56.23	-55.27	0.21	-1.16	-25	-31.23
225.94	S	-55.78	-59.84	6.17	-2.12	-25	-30.78
300.63	S	-57.35	-60.74	5.85	-2.46	-25	-32.35
557.68	S	-61.59	-64.75	6.59	-3.43	-25	-36.59
656.62	S	-60.47	-64.00	7.24	-3.71	-25	-35.47
777.87	S	-56.88	-60.58	7.74	-4.04	-25	-31.88
5190.00	H	-54.27	-56.90	12.69	-10.06	-25	-29.27

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Operation Mode : LTEB38 10M QPSK 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 2595 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



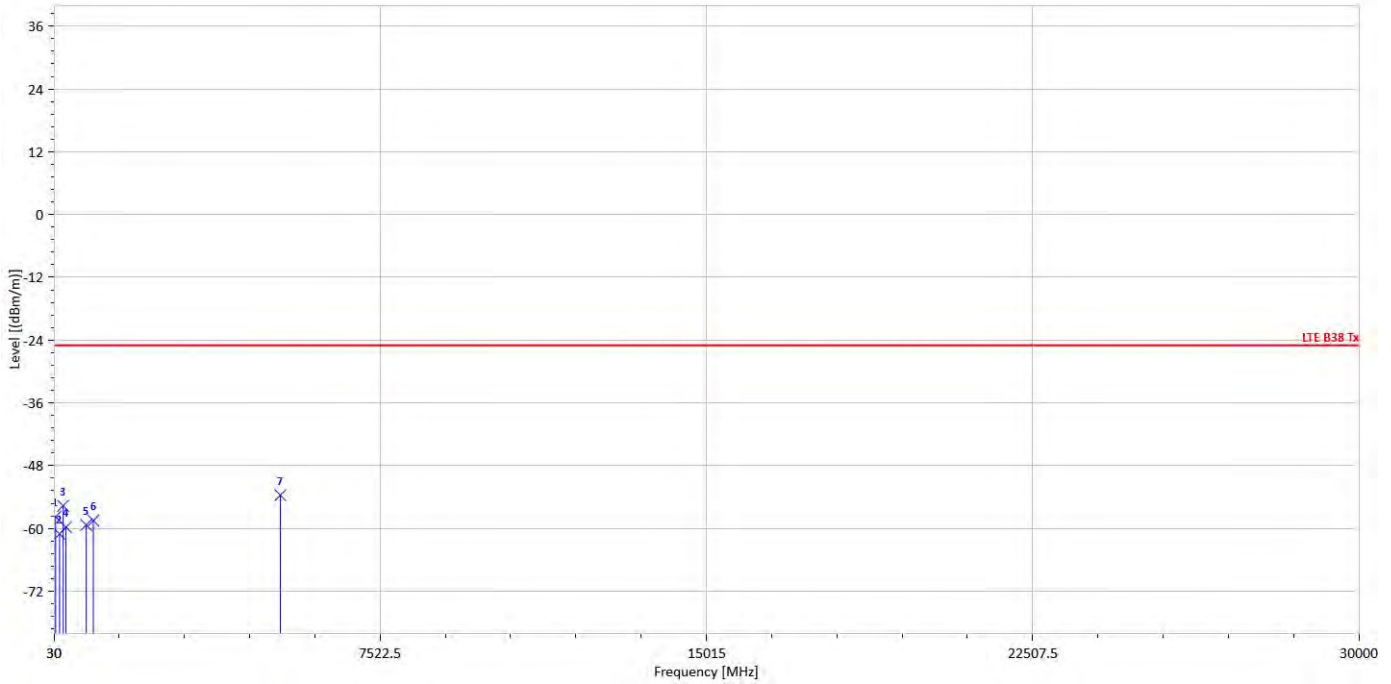
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
97.90	S	-59.02	-56.61	-1.04	-1.36	-25	-34.02
114.39	S	-62.78	-59.84	-1.46	-1.48	-25	-37.78
267.65	S	-63.50	-66.31	5.14	-2.33	-25	-38.50
417.03	S	-66.02	-69.01	5.93	-2.94	-25	-41.02
624.61	S	-64.80	-68.23	7.07	-3.64	-25	-39.80
773.02	S	-60.71	-64.43	7.74	-4.02	-25	-35.71
5190.00	H	-55.64	-58.27	12.69	-10.06	-25	-30.64

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Operation Mode : LTEB38 10M QPSK 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 2615 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical



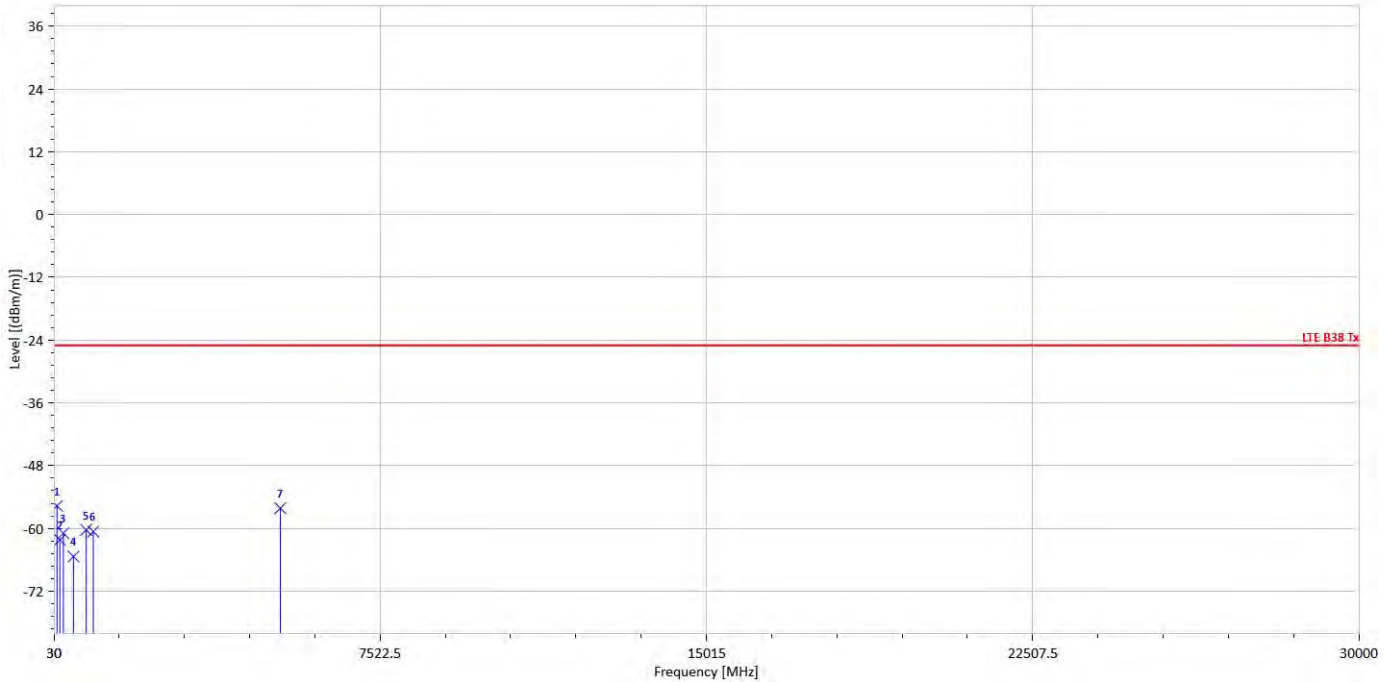
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
67.83	S	-57.76	-56.46	-0.18	-1.12	-25	-32.76
159.98	S	-61.08	-62.50	3.19	-1.77	-25	-36.08
241.46	S	-55.67	-59.02	5.55	-2.20	-25	-30.67
306.45	S	-59.73	-63.11	5.87	-2.49	-25	-34.73
773.02	S	-59.33	-63.05	7.74	-4.02	-25	-34.33
935.98	S	-58.49	-61.95	7.94	-4.49	-25	-33.49
5230.00	H	-53.63	-56.27	12.73	-10.09	-25	-28.63

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Operation Mode : LTEB38 10M QPSK 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 2615 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



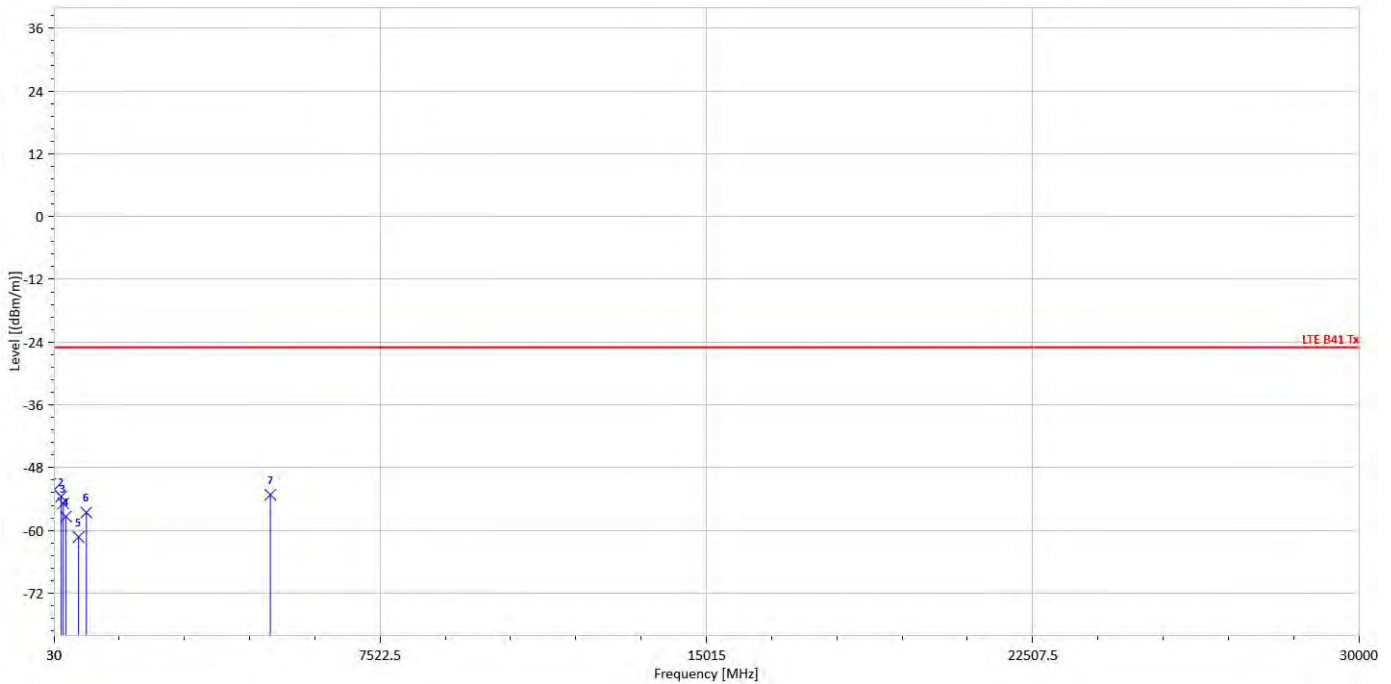
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
101.78	S	-55.68	-52.93	-1.36	-1.39	-25	-30.68
168.71	S	-62.18	-64.53	4.17	-1.82	-25	-37.18
246.31	S	-60.92	-64.02	5.33	-2.23	-25	-35.92
479.11	S	-65.37	-68.63	6.40	-3.15	-25	-40.37
772.05	S	-60.29	-64.01	7.74	-4.02	-25	-35.29
935.01	S	-60.61	-64.07	7.94	-4.49	-25	-35.61
5230.00	H	-56.13	-58.77	12.73	-10.09	-25	-31.13

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Radiated Spurious Emission Measurement Result: LTE-Band 41

Operation Mode :	LTEB41 10M QPSK 1.49	Test Date :	2018/2/15
Fundamental Frequency :	2501 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



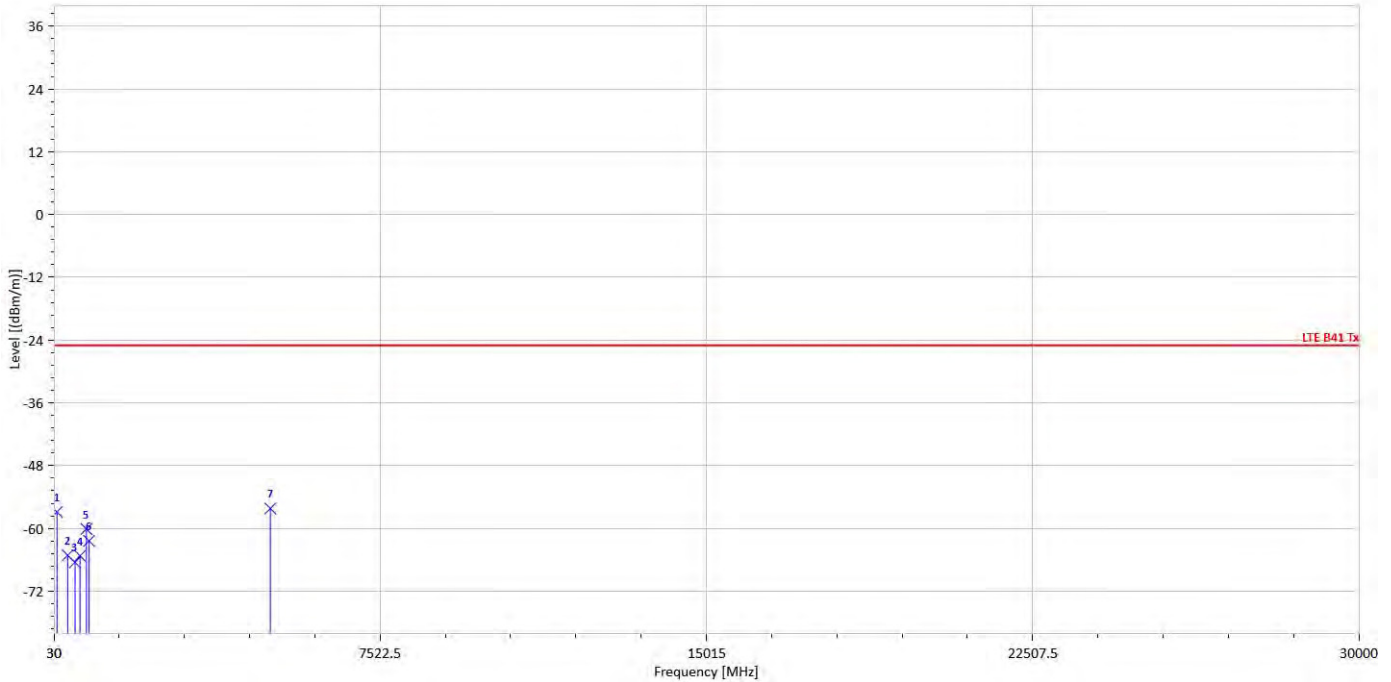
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
39.70	S	-52.24	-39.17	-12.21	-0.86	-25	-27.24
196.84	S	-53.51	-57.32	5.78	-1.97	-25	-28.51
244.37	S	-54.84	-58.04	5.42	-2.22	-25	-29.84
307.42	S	-57.35	-60.72	5.87	-2.50	-25	-32.35
596.48	S	-61.25	-64.63	6.94	-3.56	-25	-36.25
773.99	S	-56.57	-60.28	7.74	-4.03	-25	-31.57
5002.00	H	-53.18	-55.76	12.50	-9.92	-25	-28.18

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Operation Mode :	LTEB41 10M QPSK 1.49	Test Date :	2018/2/15
Fundamental Frequency :	2501 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



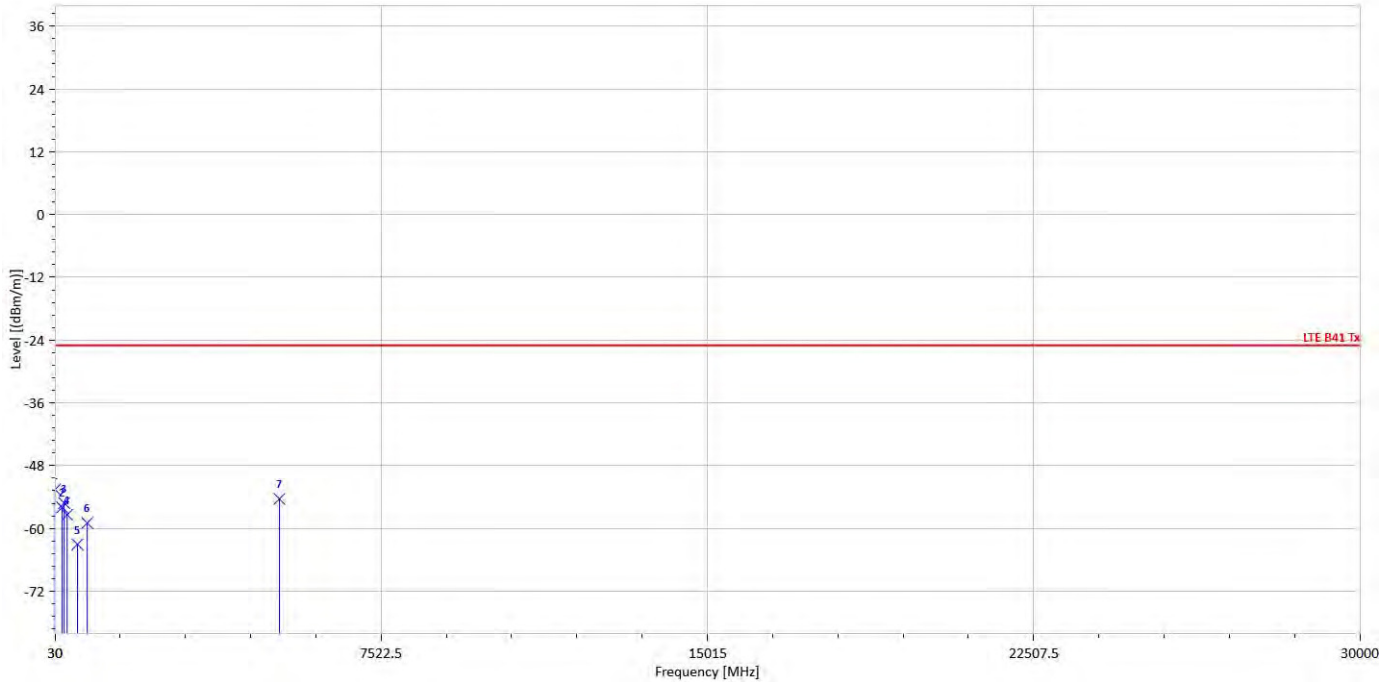
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
100.81	S	-56.85	-54.14	-1.32	-1.39	-25	-31.85
346.22	S	-65.13	-68.45	5.98	-2.66	-25	-40.13
514.03	S	-66.47	-69.69	6.50	-3.28	-25	-41.47
629.46	S	-65.22	-68.66	7.09	-3.65	-25	-40.22
776.90	S	-60.10	-63.80	7.74	-4.04	-25	-35.10
837.04	S	-62.37	-65.93	7.79	-4.23	-25	-37.37
5002.00	H	-56.18	-58.76	12.50	-9.92	-25	-31.18

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Operation Mode :	LTEB41 10M QPSK 1.49	Test Date :	2018/2/15
Fundamental Frequency :	2593 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



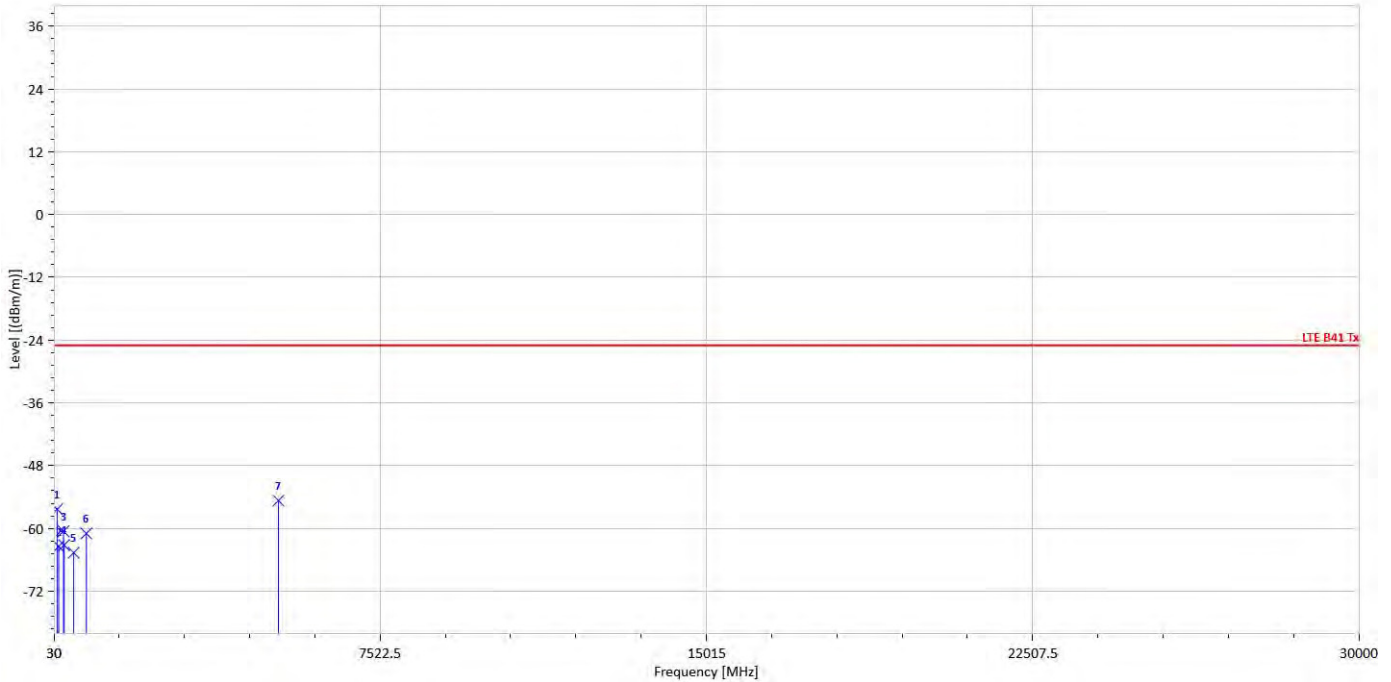
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-52.56	-34.51	-17.21	-0.84	-25	-27.56
195.87	S	-55.96	-59.79	5.79	-1.97	-25	-30.96
241.46	S	-55.14	-58.49	5.55	-2.20	-25	-30.14
311.30	S	-57.38	-60.75	5.88	-2.52	-25	-32.38
547.01	S	-63.06	-66.17	6.52	-3.40	-25	-38.06
773.02	S	-58.95	-62.67	7.74	-4.02	-25	-33.95
5186.00	H	-54.36	-56.98	12.69	-10.06	-25	-29.36

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Operation Mode :	LTEB41 10M QPSK 1.49	Test Date :	2018/2/15
Fundamental Frequency :	2593 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Mid	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



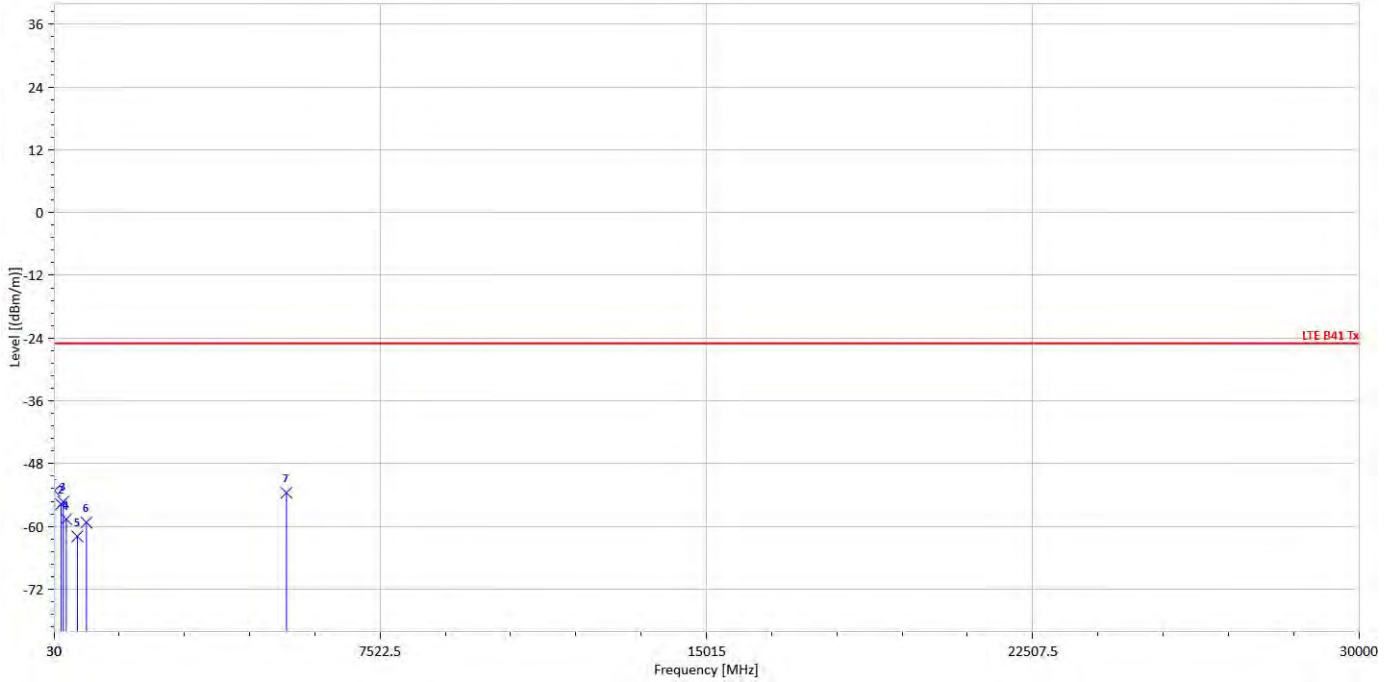
Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
103.72	S	-56.32	-53.48	-1.43	-1.41	-25	-31.32
140.58	S	-63.44	-62.70	0.91	-1.65	-25	-38.44
251.16	S	-60.53	-63.36	5.09	-2.26	-25	-35.53
265.71	S	-63.17	-65.83	4.98	-2.32	-25	-38.17
485.90	S	-64.64	-67.89	6.43	-3.17	-25	-39.64
773.99	S	-60.96	-64.67	7.74	-4.03	-25	-35.96
5186.00	H	-54.68	-57.31	12.69	-10.06	-25	-29.68

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Operation Mode :	LTEB41 10M QPSK 1.49	Test Date :	2018/2/15
Fundamental Frequency :	2685 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical

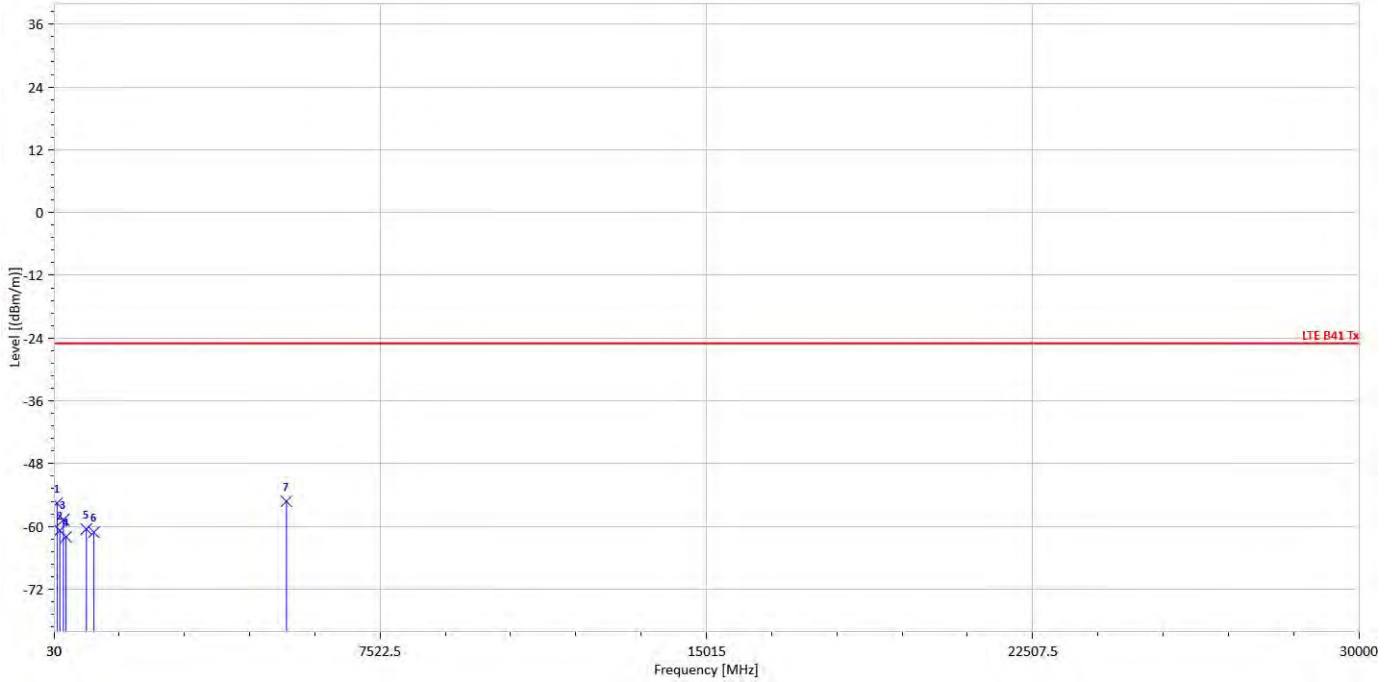


Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
43.58	S	-53.16	-42.98	-9.28	-0.89	-25	-28.16
194.90	S	-55.76	-59.60	5.81	-1.96	-25	-30.76
243.40	S	-55.28	-58.53	5.46	-2.21	-25	-30.28
313.24	S	-58.60	-61.96	5.89	-2.53	-25	-33.60
569.32	S	-61.90	-65.14	6.69	-3.46	-25	-36.90
776.90	S	-59.23	-62.94	7.74	-4.04	-25	-34.23
5370.00	H	-53.56	-56.24	12.87	-10.19	-25	-28.56

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Operation Mode :	LTEB41 10M QPSK 1.49	Test Date :	2018/2/15
Fundamental Frequency :	2685 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH High	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Horizontal



Freq. MHz	Note F/H/E/S	ERP\EIRP dBm	SG Output Level dBm	Antenna Gain dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
102.75	S	-55.54	-52.74	-1.39	-1.40	-25	-30.54
166.77	S	-60.77	-62.91	3.96	-1.81	-25	-35.77
248.25	S	-58.73	-61.74	5.25	-2.24	-25	-33.73
309.36	S	-61.99	-65.36	5.88	-2.51	-25	-36.99
773.99	S	-60.51	-64.22	7.74	-4.03	-25	-35.51
948.59	S	-61.10	-64.55	7.96	-4.52	-25	-36.10
5370.00	H	-55.19	-57.87	12.87	-10.19	-25	-30.19

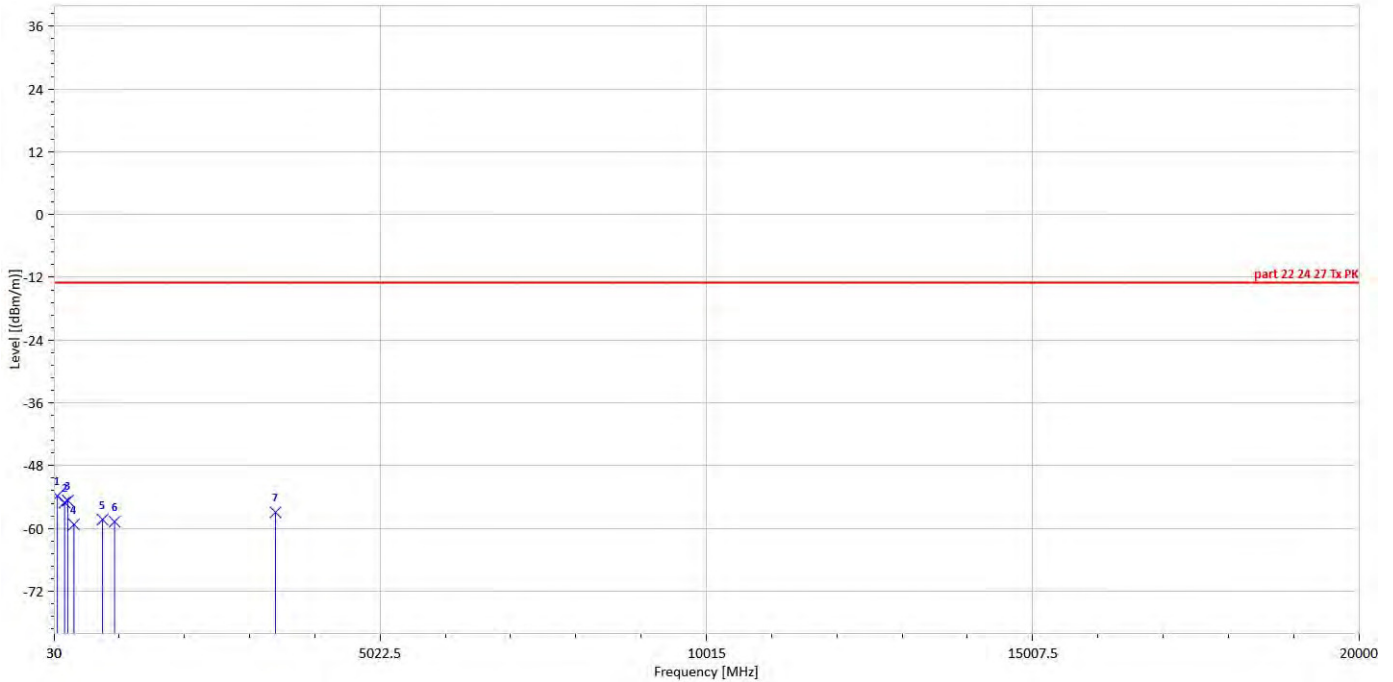
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Radiated Spurious Emission Measurement Result: LTE-Band 66

Operation Mode :	LTEB66 1.4M 16QAM 1.0	Test Date :	2018/2/15
Fundamental Frequency :	1710.7 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	Tx CH Low	Test Engineer :	Enzo
EUT Pol. :	H	Measurement Antenna Pol. :	Vertical



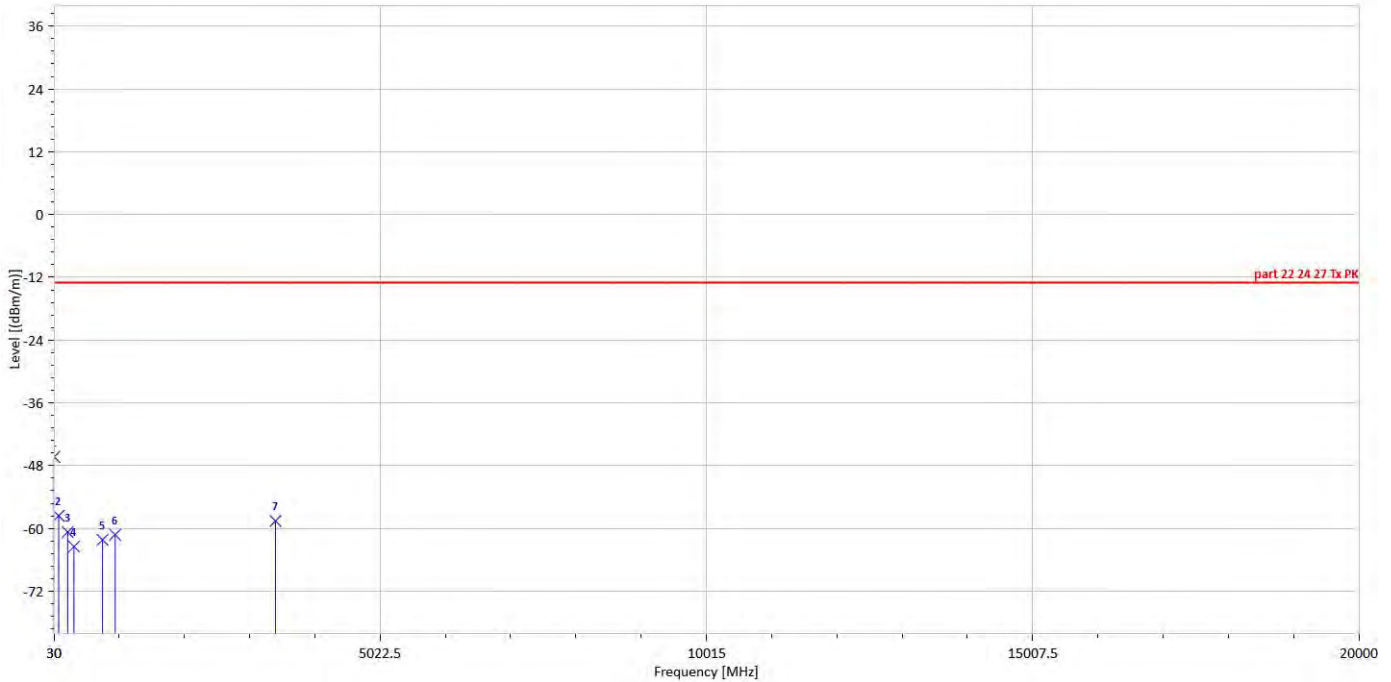
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
82.38	S	-53.80	-52.90	0.33	-1.24	-13.01	-40.79
193.93	S	-55.03	-58.90	5.82	-1.96	-13.01	-42.02
243.40	S	-54.67	-57.92	5.46	-2.21	-13.01	-41.66
337.49	S	-59.23	-62.55	5.96	-2.63	-13.01	-46.22
773.99	S	-58.30	-62.02	7.74	-4.03	-13.01	-45.29
959.26	S	-58.71	-62.16	7.99	-4.55	-13.01	-45.70
3421.40	H	-56.91	-60.36	12.14	-8.70	-13.01	-43.90

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Operation Mode : LTEB66 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 1710.7 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Low Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal

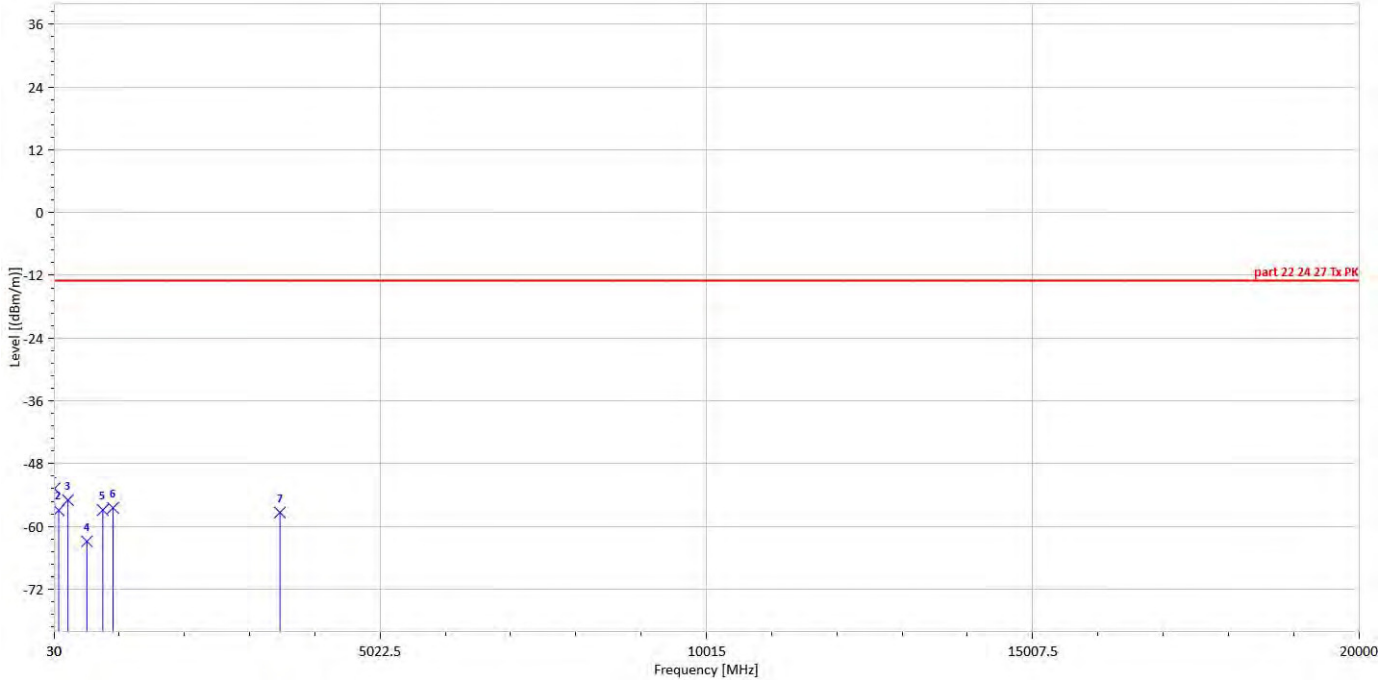


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
33.88	S	-46.34	-28.29	-17.21	-0.84	-13.01	-33.33
102.75	S	-57.58	-54.79	-1.39	-1.40	-13.01	-44.57
241.46	S	-60.69	-64.04	5.55	-2.20	-13.01	-47.68
337.49	S	-63.46	-66.79	5.96	-2.63	-13.01	-50.45
773.99	S	-62.17	-65.88	7.74	-4.03	-13.01	-49.16
967.02	S	-61.21	-64.65	8.01	-4.57	-13.01	-48.20
3421.40	H	-58.57	-62.02	12.14	-8.70	-13.01	-45.56

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Operation Mode : LTEB66 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 1745 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical



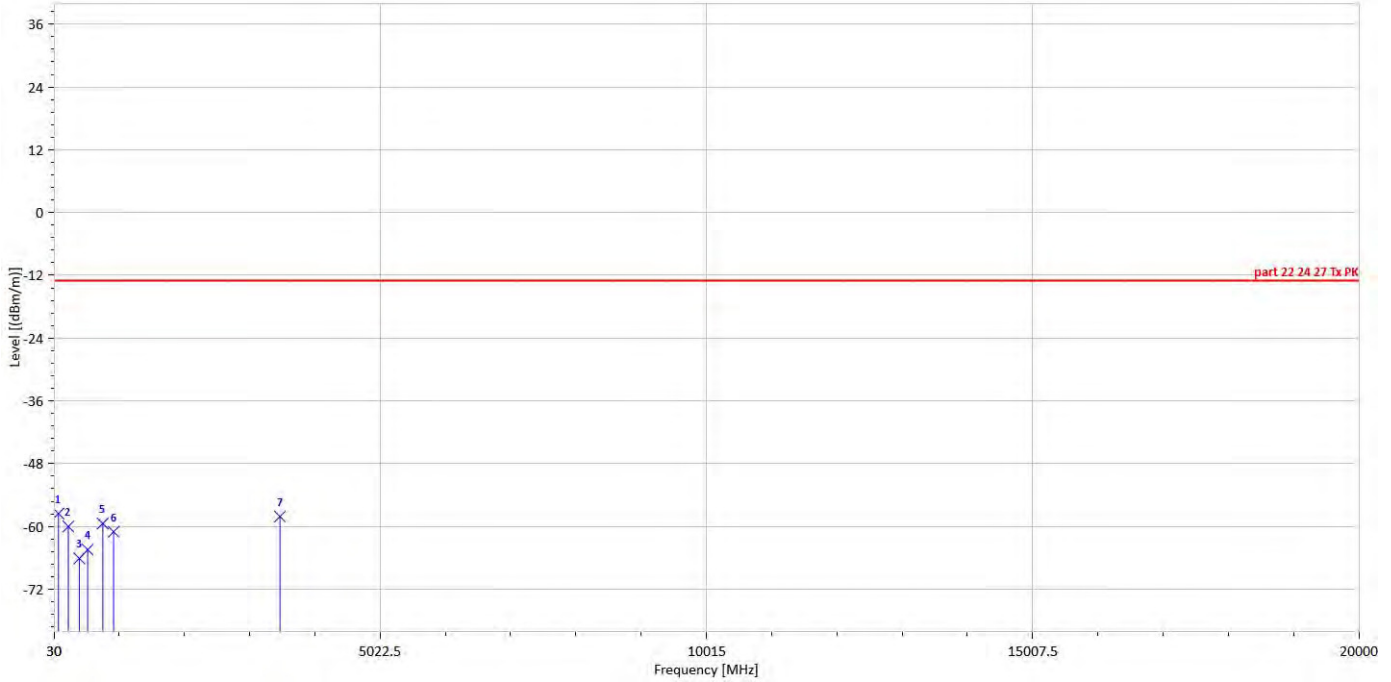
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
38.73	S	-52.75	-38.84	-13.06	-0.85	-13.01	-39.74
102.75	S	-56.91	-54.12	-1.39	-1.40	-13.01	-43.90
245.34	S	-54.96	-58.12	5.38	-2.22	-13.01	-41.95
535.37	S	-62.84	-65.99	6.51	-3.37	-13.01	-49.83
777.87	S	-56.85	-60.56	7.74	-4.04	-13.01	-43.84
935.01	S	-56.45	-59.91	7.94	-4.49	-13.01	-43.44
3490.00	H	-57.33	-60.86	12.28	-8.75	-13.01	-44.32

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Operation Mode : LTEB66 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 1745 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH Mid Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal

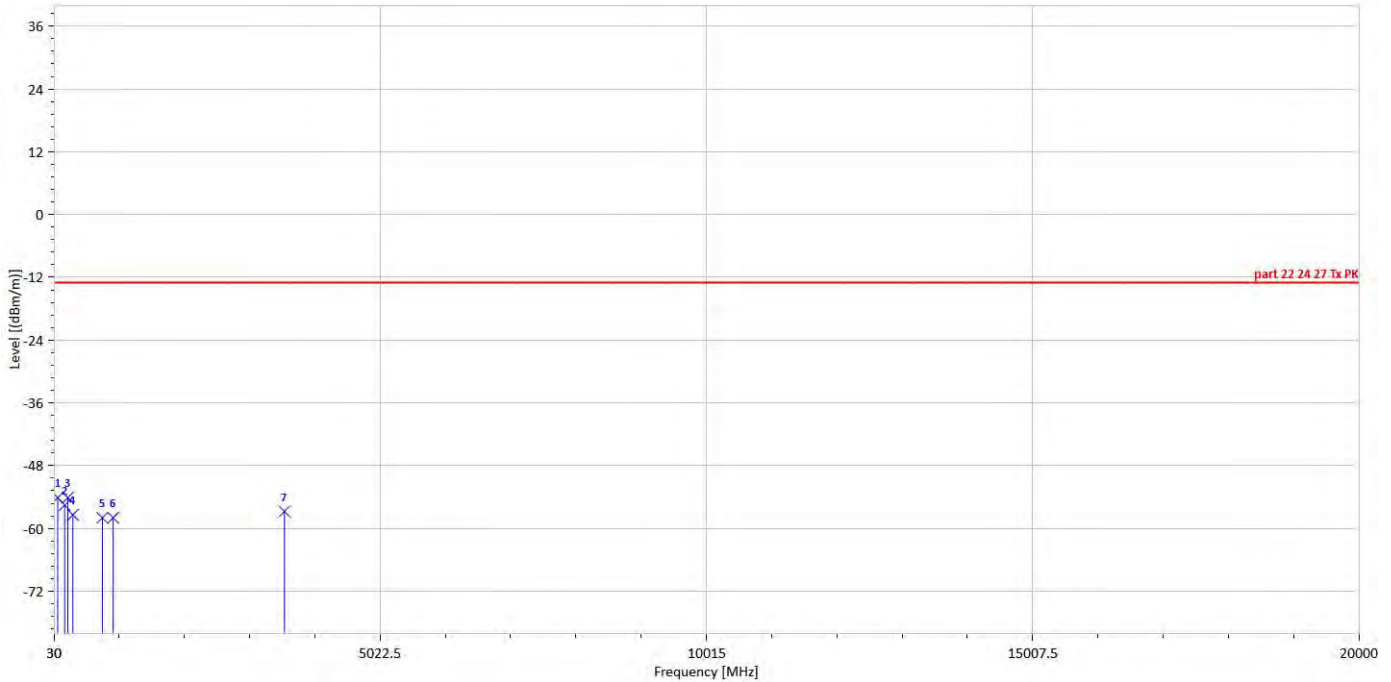


Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
99.84	S	-57.53	-54.88	-1.27	-1.38	-13.01	-44.52
250.19	S	-60.00	-62.91	5.16	-2.25	-13.01	-46.99
418.97	S	-66.11	-69.11	5.95	-2.95	-13.01	-53.10
547.01	S	-64.44	-67.56	6.52	-3.40	-13.01	-51.43
777.87	S	-59.43	-63.13	7.74	-4.04	-13.01	-46.42
943.74	S	-61.01	-64.46	7.96	-4.51	-13.01	-48.00
3490.00	H	-58.09	-61.62	12.28	-8.75	-13.01	-45.08

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Operation Mode : LTEB66 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 1779.3 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Vertical



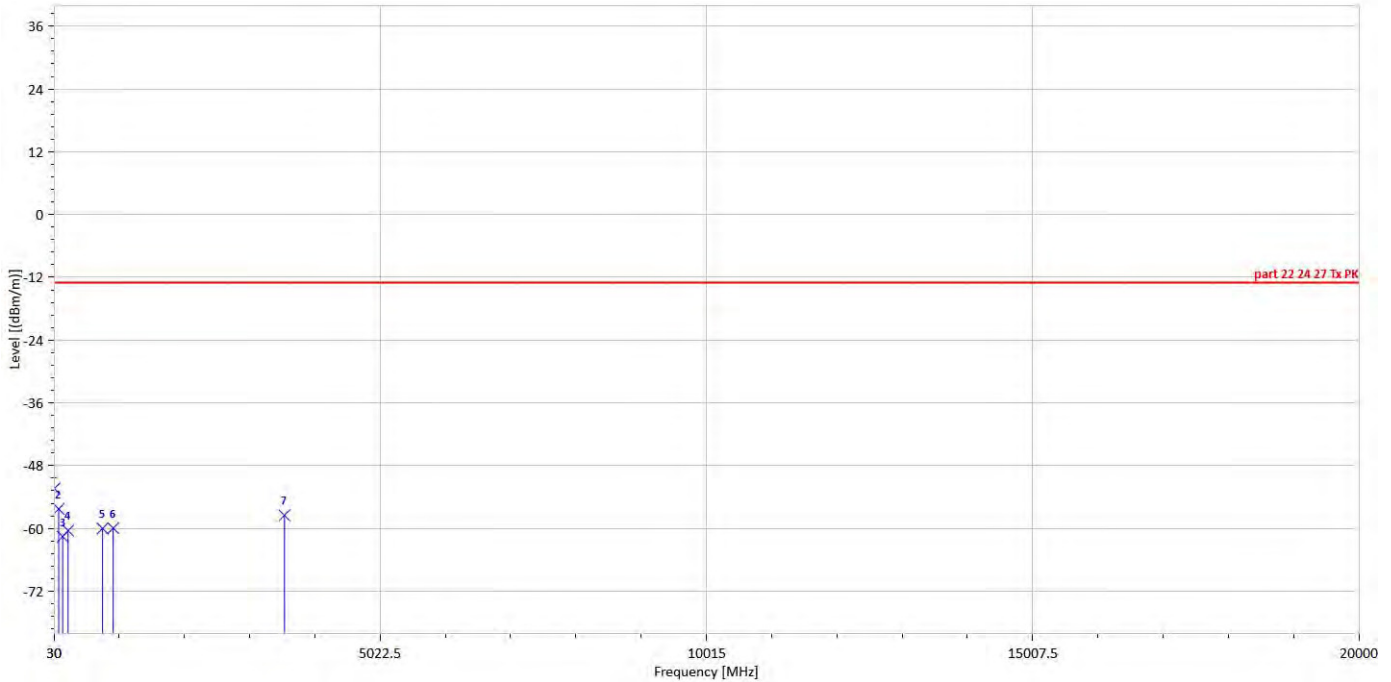
Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
89.17	S	-54.10	-52.75	-0.06	-1.29	-13.01	-41.09
194.90	S	-55.52	-59.36	5.81	-1.96	-13.01	-42.51
243.40	S	-54.12	-57.37	5.46	-2.21	-13.01	-41.11
320.03	S	-57.40	-60.75	5.91	-2.56	-13.01	-44.39
772.05	S	-57.97	-61.69	7.74	-4.02	-13.01	-44.96
936.95	S	-57.97	-61.42	7.95	-4.49	-13.01	-44.96
3558.60	H	-56.76	-60.29	12.34	-8.80	-13.01	-43.75

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Operation Mode : LTEB66 1.4M 16QAM 1.0 Test Date : 2018/2/15
 Fundamental Frequency : 1779.3 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : Tx CH High Test Engineer : Enzo
 EUT Pol. : H Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	ERP/EIRP dBm	SG Output Level dBm	Antenna Gain dBd/dBi	Cable Loss dB	Limit @3m dBm/m	Margin dB
36.79	S	-52.38	-36.79	-14.75	-0.85	-13.01	-39.37
102.75	S	-56.26	-53.47	-1.39	-1.40	-13.01	-43.25
163.86	S	-61.57	-63.40	3.63	-1.79	-13.01	-48.56
247.28	S	-60.41	-63.47	5.29	-2.23	-13.01	-47.40
773.99	S	-60.01	-63.72	7.74	-4.03	-13.01	-47.00
936.95	S	-59.94	-63.39	7.95	-4.49	-13.01	-46.93
3558.60	H	-57.48	-61.02	12.34	-8.80	-13.01	-44.47

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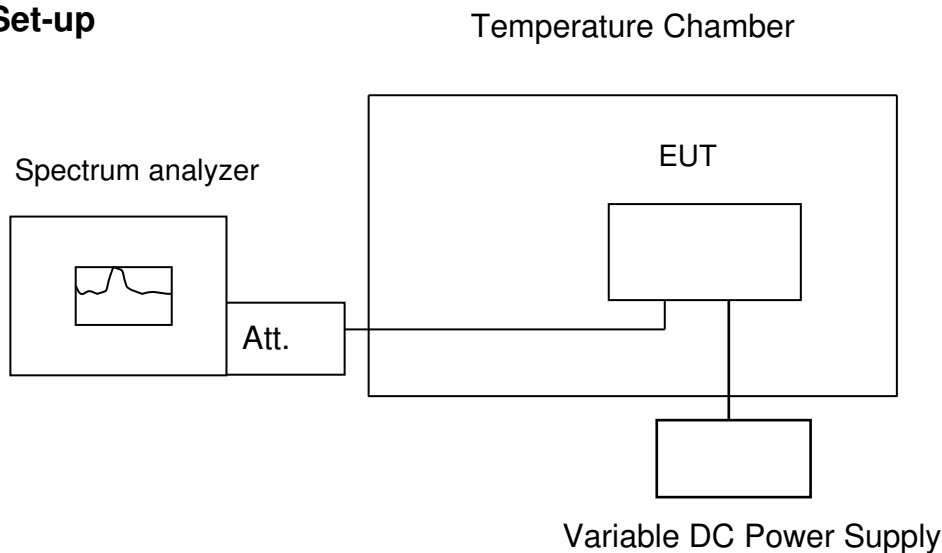
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11. FREQUENCY STABILITY MEASUREMENT

11.1. Standard Applicabl

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 °C. 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.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A19 5C	RF01	12/24/2017	12/23/2018
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/24/2017	12/23/2018
Splitter	RF-LAMBAD	RFLT2W1G18G	RF35	12/24/2017	12/23/2018
Attenuator	WOKEN	218FS-10	RF23	12/24/2017	12/23/2018
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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11.5. Measurement Result

WCDMA II Mid Channel 1880 MHz				
Limit: +/- 2.5 ppm				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit (Hz)
FREQUENCY ERROR vs. VOLTAGE				
8.8	20	1879999978	-22	4700
7.7	20	1880000016	16	4700
6	20	1879999975	-25	4700
5.9 (End point)	20	1880000011	11	4700
FREQUENCY ERROR vs. Temp.				
7.7	50	1879999978	-22	4700
7.7	40	1879999985	-15	4700
7.7	30	1879999995	-5	4700
7.7	20	1880000022	22	4700
7.7	10	1880000012	12	4700
7.7	0	1879999986	-14	4700
7.7	-10	1879999996	-4	4700
7.7	-20	1880000004	4	4700
7.7	-30	1879999981	-19	4700

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WCDMA IV Mid Channel 1732.6 MHz				
Limit: +/- 2.5 ppm				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit (Hz)
FREQUENCY ERROR vs. VOLTAGE				
8.8	20	1732599996	-4	4331
7.7	20	1732600018	18	4331
6	20	1732600016	16	4331
5.9 (End point)	20	1732600007	7	4331
FREQUENCY ERROR vs. Temp.				
7.7	50	1732599992	-8	4331
7.7	40	1732600019	19	4331
7.7	30	1732600018	18	4331
7.7	20	1732600018	18	4331
7.7	10	1732600010	10	4331
7.7	0	1732600000	0	4331
7.7	-10	1732599993	-7	4331
7.7	-20	1732600023	23	4331
7.7	-30	1732599983	-17	4331

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WCDMA V Mid Channel 836.6 MHz				
Limit: +/- 2.5 ppm				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit (Hz)
FREQUENCY ERROR vs. VOLTAGE				
8.8	20	836599989	-11	2091
7.7	20	836600022	22	2091
6	20	836600003	3	2091
5.9 (End point)	20	836600021	21	2091
FREQUENCY ERROR vs. Temp.				
7.7	50	836600002	2	2091
7.7	40	836599982	-18	2091
7.7	30	836599999	-1	2091
7.7	20	836599984	-16	2091
7.7	10	836599997	-3	2091
7.7	0	836600015	15	2091
7.7	-10	836599993	-7	2091
7.7	-20	836600012	12	2091
7.7	-30	836600021	21	2091

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Reference Freq.:		LTE B2 Mid Channel	1880	MHz	20M QPSK CH 18900
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	1880.000007	7.0000001	4700	
7.7	25	1880.000009	9.0000001	4700	
6	25	1880.000018	18	4700	
5.9 (End Point)	25	1879.999985	-15	4700	
Freq. ERROR vs. Temp.					
7.7	-30	1879.999982	-18	4700	
7.7	-20	1880.000012	12	4700	
7.7	-10	1880.000016	16	4700	
7.7	0	1880.000022	22	4700	
7.7	10	1879.999987	-13	4700	
7.7	20	1880.000009	9.0000001	4700	
7.7	30	1879.999976	-24	4700	
7.7	40	1879.999990	-10	4700	
7.7	50	1879.999997	-3	4700	

Reference Freq.:		LTE B4 Mid Channel	1732.5	MHz	20M QPSK CH 20175
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	1732.500017	17	4331	
7.7	25	1732.499995	-5	4331	
6	25	1732.500011	11	4331	
5.9 (End Point)	25	1732.499990	-10	4331	
Freq. ERROR vs. Temp.					
7.7	-30	1732.499975	-25	4331	
7.7	-20	1732.500001	1.0000001	4331	
7.7	-10	1732.500013	13	4331	
7.7	0	1732.500003	3.0000001	4331	
7.7	10	1732.499986	-14	4331	
7.7	20	1732.499999	-1	4331	
7.7	30	1732.500018	18	4331	
7.7	40	1732.500024	24	4331	
7.7	50	1732.499989	-11	4331	

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Reference Freq.:		LTE B5 Mid Channel		836.5	MHz 10M QPSK CH 20525
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	836.500013	13	2091	
7.7	25	836.499989	-11	2091	
6	25	836.500004	4	2091	
5.9 (End Point)	25	836.500005	5	2091	
Freq. ERROR vs. Temp.					
7.7	-30	836.499981	-19	2091	
7.7	-20	836.499988	-12	2091	
7.7	-10	836.499990	-10	2091	
7.7	0	836.499981	-19	2091	
7.7	10	836.499996	-4	2091	
7.7	20	836.500001	1	2091	
7.7	30	836.500010	10	2091	
7.7	40	836.499977	-23	2091	
7.7	50	836.500021	21	2091	

Reference Freq.:		LTE B7 Mid Channel		2535	MHz 10M QPSK CH 21100
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	2535.000018	18	6338	
7.7	25	2535.000005	4.9999999	6338	
6	25	2534.999978	-22	6338	
5.9 (End Point)	25	2534.999997	-3	6338	
Freq. ERROR vs. Temp.					
7.7	-30	2535.000001	0.9999999	6338	
7.7	-20	2535.000000	0	6338	
7.7	-10	2534.999989	-11	6338	
7.7	0	2534.999999	-1	6338	
7.7	10	2535.000015	15	6338	
7.7	20	2535.000000	0	6338	
7.7	30	2535.000020	20	6338	
7.7	40	2535.000001	0.9999999	6338	
7.7	50	2534.999982	-18	6338	

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Reference Freq.:		LTE B12 Mid Channel		707.5	MHz 10M QPSK CH 23095
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	707.499977	-23	1769	
7.7	25	707.499992	-8	1769	
6	25	707.500008	8	1769	
5.9 (End Point)	25	707.500006	6	1769	
Freq. ERROR vs. Temp.					
7.7	-30	707.500018	18	1769	
7.7	-20	707.500013	13	1769	
7.7	-10	707.499985	-15	1769	
7.7	0	707.500019	19	1769	
7.7	10	707.499977	-23	1769	
7.7	20	707.499986	-14	1769	
7.7	30	707.499988	-12	1769	
7.7	40	707.499990	-10	1769	
7.7	50	707.499989	-11	1769	

Reference Freq.:		LTE B13 Mid Channel		782	MHz 10M QPSK CH 23230
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	781.999997	-3	1955	
7.7	25	782.000008	8	1955	
6	25	782.000017	17	1955	
5.9 (End Point)	25	782.000014	14	1955	
Freq. ERROR vs. Temp.					
7.7	-30	781.999991	-9	1955	
7.7	-20	781.999981	-19	1955	
7.7	-10	782.000007	7	1955	
7.7	0	781.999978	-22	1955	
7.7	10	782.000018	18	1955	
7.7	20	781.999999	-1	1955	
7.7	30	782.000024	24	1955	
7.7	40	781.999985	-15	1955	
7.7	50	782.000022	22	1955	

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Reference Freq.:		LTE B17 Mid Channel		710	MHz 10M QPSK CH 23790
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	709.999976	-24	1775	
7.7	25	709.999998	-2	1775	
6	25	709.999980	-20	1775	
5.9 (End Point)	25	710.000001	1	1775	
Freq. ERROR vs. Temp.					
7.7	-30	709.999987	-13	1775	
7.7	-20	710.000023	23	1775	
7.7	-10	709.999993	-7	1775	
7.7	0	710.000008	8	1775	
7.7	10	709.999991	-9	1775	
7.7	20	709.999975	-25	1775	
7.7	30	709.999992	-8	1775	
7.7	40	709.999976	-24	1775	
7.7	50	710.000005	5	1775	

Reference Freq.:		LTE B25 Mid Channel		1882.5	MHz 20M QPSK CH 26365
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	1882.499996	14	4700	
7.7	25	1882.499982	0	4700	
6	25	1882.499975	-7.0000001	4700	
5.9 (End Point)	25	1882.499993	11	4700	
Freq. ERROR vs. Temp.					
7.7	-30	1882.499983	4.9999999	4700	
7.7	-20	1882.500018	40	4700	
7.7	-10	1882.49998	2	4700	
7.7	0	1882.49999	12	4700	
7.7	10	1882.500023	45	4700	
7.7	20	1882.499978	0	4700	
7.7	30	1882.500015	37	4700	
7.7	40	1882.499991	13	4700	
7.7	50	1882.500016	38	4700	

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Reference Freq.:		LTE B26 Mid Channel		831.5	MHz 15M QPSK CH 26865
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	831.499990	-10	2091	
7.7	25	831.500018	18	2091	
6	25	831.499992	-8	2091	
5.9 (End Point)	25	831.499997	-3	2091	
Freq. ERROR vs. Temp.					
7.7	-30	831.499997	-3	2091	
7.7	-20	831.500010	10	2091	
7.7	-10	831.499976	-24	2091	
7.7	0	831.500012	12	2091	
7.7	10	831.499983	-17	2091	
7.7	20	831.499975	-25	2091	
7.7	30	831.499984	-16	2091	
7.7	40	831.500011	11	2091	
7.7	50	831.500009	9	2091	

Reference Freq.:		Part 90 LTE B26 Mid Channel		819	MHz 10M QPSK CH 26740
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE (LTE B26 for Part 90S)					
8.8	25	819.000008	8	2048	
7.7	25	819.000022	22	2048	
6	25	819.000000	0	2048	
5.9 (End Point)	25	818.999995	-5	2048	
Freq. ERROR vs. Temp.					
7.7	-30	818.999998	-2	2048	
7.7	-20	819.000019	19	2048	
7.7	-10	818.999990	-10	2048	
7.7	0	818.999999	-1	2048	
7.7	10	818.999986	-14	2048	
7.7	20	818.999985	-15	2048	
7.7	30	819.000020	20	2048	
7.7	40	818.999978	-22	2048	
7.7	50	818.999983	-17	2048	

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Reference Freq.:		LTE B30 Mid Channel		2310	MHz 10M QPSK CH 27710
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	2310.000003	3.0000001	6488	
7.7	25	2310.000009	8.9999999	6488	
6	25	2309.999989	-11	6488	
5.9 (End Point)	25	2309.999999	-1	6488	
Freq. ERROR vs. Temp.					
7.7	-30	2309.999982	-18	6488	
7.7	-20	2310.000002	2.0000002	6488	
7.7	-10	2310.000019	19	6488	
7.7	0	2309.999978	-22	6488	
7.7	10	2310.000020	20	6488	
7.7	20	2310.000020	20	6488	
7.7	30	2310.000010	10	6488	
7.7	40	2309.999991	-9	6488	
7.7	50	2310.000002	2.0000002	6488	

Reference Freq.:		LTE B38 Mid Channel		2595	MHz 10M QPSK CH 38000
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	2595.000014	14	6488	
7.7	25	2594.999984	-16	6488	
6	25	2595.000018	18	6488	
5.9 (End Point)	25	2594.999996	-4	6488	
Freq. ERROR vs. Temp.					
7.7	-30	2595.000023	23	6488	
7.7	-20	2594.999984	-16	6488	
7.7	-10	2595.000018	18	6488	
7.7	0	2595.000016	16	6488	
7.7	10	2595.000006	6.0000002	6488	
7.7	20	2594.999976	-24	6488	
7.7	30	2594.999987	-13	6488	
7.7	40	2594.999994	-6	6488	
7.7	50	2595.000014	14	6488	

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Reference Freq.:		LTE B41 Mid Channel		2593	MHz 10M QPSK CH 40620
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	2592.999986	-14	6488	
7.7	25	2592.999976	-24	6488	
6	25	2592.999995	-5	6488	
5.9 (End Point)	25	2592.999993	-7	6488	
Freq. ERROR vs. Temp.					
7.7	-30	2592.999987	-13	6488	
7.7	-20	2593.000013	13	6488	
7.7	-10	2593.000006	6.0000002	6488	
7.7	0	2593.000012	12	6488	
7.7	10	2593.000015	15	6488	
7.7	20	2593.000007	7.0000001	6488	
7.7	30	2593.000012	12	6488	
7.7	40	2593.000002	2.0000002	6488	
7.7	50	2592.999986	-14	6488	

Reference Freq.:		LTE B66 Mid Channel		1745	MHz 10M QPSK CH 132322
Power Supply Vdc	Temp. (□)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)	
Freq. ERROR vs. VOLTAGE					
8.8	25	1744.999997	-3	6488	
7.7	25	1744.999999	-1	6488	
6	25	1744.999991	-9	6488	
5.9 (End Point)	25	1745.000012	12	6488	
Freq. ERROR vs. Temp.					
7.7	-30	1744.999997	-3	6488	
7.7	-20	1744.999975	-25	6488	
7.7	-10	1745.000003	3.0000001	6488	
7.7	0	1745.000023	23	6488	
7.7	10	1745.000015	15	6488	
7.7	20	1744.999998	-2	6488	
7.7	30	1744.999997	-3	6488	
7.7	40	1745.000006	6	6488	
7.7	50	1744.999997	-3	6488	

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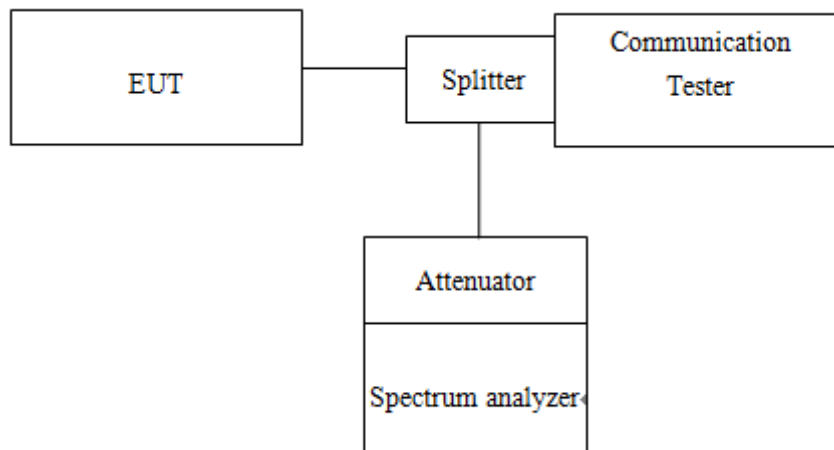
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12. PEAK TO AVERAGE RATIO

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.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A19 5C	RF01	12/24/2017	12/23/2018
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNAK	PE8210	RF29	12/24/2017	12/23/2018
Splitter	RF-LAMBDA	RFLT2W1G18G	RF35	12/24/2017	12/23/2018
Attenuator	WOKEN	218FS-10	RF23	12/24/2017	12/23/2018
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

12.5. Measurement Result

Tabular Results:

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Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA II	HSDPA II	HSUPA II
1852.4	9262	3.05	3.90	3.56
1880	9400	3.04	3.73	4.00
1907.6	9538	2.87	3.83	3.87

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	3.13	3.97	4.16
1732.6	1413	2.90	3.88	3.63
1752.6	1513	3.11	3.93	3.79

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA V	HSDPA V	HSUPA V
826.4	4132	3.64	3.48	3.34
836.6	4183	3.36	3.52	3.39
846.6	4233	3.53	3.36	3.67

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LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1850.7	18607	6.24	13	1851.5	18615	6.16	13
1880.0	18900	6.12	13	1880.0	18900	6.07	13
1909.3	19193	5.68	13	1908.5	19185	6.05	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1852.5	18625	6.07	13	1855.0	18650	6.05	13
1880.0	18900	6.05	13	1880.0	18900	6.07	13
1907.5	19175	6.07	13	1905.0	19150	6.06	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1857.5	18675	6.67	13	1860.0	18700	7.07	13
1880.0	18900	6.65	13	1880.0	18900	6.99	13
1902.5	19125	6.56	13	1900.0	19100	7.05	13

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1710.7	19957	5.94	13	1711.5	19965	6.15	13
1732.5	20175	5.17	13	1732.5	20175	5.42	13
1754.3	20393	6.18	13	1753.5	20385	6.20	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1712.5	19957	6.02	13	1715.0	20000	6.02	13
1732.5	20175	5.59	13	1732.5	20175	5.94	13
1752.5	20375	6.11	13	1750.0	20350	6.01	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1717.5	20025	6.68	13	1720.0	20050	7.02	13
1732.5	20175	6.78	13	1732.5	20175	7.36	13
1747.5	20325	6.71	13	1745.0	20300	7.25	13

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
824.7	20407	5.24	13	825.5	20415	5.64	13
836.5	20525	5.30	13	836.5	20525	5.63	13
848.3	20643	5.12	13	847.5	20635	5.56	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
826.5	20425	5.57	13	829.0	20450	5.61	13
836.5	20525	5.57	13	836.5	20525	5.83	13
846.5	20625	5.55	13	844.0	20600	5.69	13

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LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2502.5	20775	5.67	13	2505.0	20800	5.84	13
2535.0	21100	6.03	13	2535.0	21100	5.99	13
2567.5	21375	5.93	13	2565.0	21350	5.97	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2507.5	20825	6.65	13	2510	20850	7.07	13
2535.0	21100	6.73	13	2535	21100	7.08	13
2562.5	21375	6.54	13	2560	21350	6.86	13

LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
699.7	23017	6.06	13	700.5	23025	6.00	13
707.5	23095	6.15	13	707.5	23095	6.17	13
715.3	23173	6.14	13	714.5	23165	6.14	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
701.5	23035	6.10	13	704.0	23060	5.96	13
707.5	23095	6.04	13	707.5	23095	5.97	13
713.5	23155	6.03	13	711.0	23130	6.14	13

LTE BAND 13							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
779.5	23205	6.07	13	782.0	23230	5.94	13
782.0	23230	5.93	13				
784.5	23255	5.76	13				

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LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
706.5	23755	5.96	13	709	23780	5.06	13
710	23790	5.97	13	710	23790	5.13	13
713.5	23825	6.01	13	711	23780	5.10	13

LTE BAND 25							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1850.7	26047	6.16	13	1851.5	26055	6.14	13
1882.5	26365	6.13	13	1882.5	26365	6.08	13
1914.3	26683	5.69	13	1913.5	26675	5.77	13

LTE BAND 25							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1852.5	26065	6.07	13	1855.0	26090	6.03	13
1882.5	26365	6.04	13	1882.5	26365	6.01	13
1912.5	26665	5.77	13	1910.0	26640	5.91	13

LTE BAND 25							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1857.5	26115	6.68	13	1860.0	26140	7.15	13
1882.5	26365	6.64	13	1882.5	26365	7.02	13
1907.5	26615	6.6	13	1905.0	26590	6.94	13

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LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
814.7	26697	5.99	13	815.5	26705	6.01	13
831.5	26865	5.95	13	831.5	26865	6.05	13
848.3	27033	6.08	13	847.5	27025	6.10	13

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
816.5	26715	5.91	13	820.0	26750	5.92	13
831.5	26865	5.99	13	831.5	26865	5.96	13
846.5	27015	6.01	13	844.0	26990	6.01	13

LTE BAND 26							
Channel bandwidth: 15MHz							
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
822.5	26775	6.72	13				
831.5	26865	6.57	13				
841.5	26965	6.80	13				

LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
814.7	26697	5.99	13	815.5	26705	6.09	13
819.0	26740	5.93	13	819	26740	6.13	13
823.3	26783	6.02	13	822.5	26775	6.17	13

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
816.5	26715	5.94	13	819.0	26740	5.92	13
819.0	26740	6.01	13				
821.5	26765	6.00	13				

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LTE BAND 30							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
2307.5	27685	5.64	13	2310.0	27710	5.85	13
2310.0	27710	5.69	13				
2312.5	27735	5.63	13				

LTE BAND 38							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2572.5	37775	9.60	13	2575	37800	9.97	13
2595.0	38000	8.56	13	2595	38000	8.39	13
2617.5	38225	11.05	13	2615	38200	9.50	13

LTE BAND 38							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2577.5	37825	9.58	13	2580.0	37850	10.79	13
2595.0	38000	10.90	13	2595.0	38000	9.04	13
2612.5	38175	9.17	13	2610.0	38150	9.63	13

LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2498.5	39675	9.17	13	2501.0	39700	8.35	13
2593.0	40620	10.51	13	2593.0	40620	9.46	13
2687.5	41565	8.05	13	2685.0	41540	9.10	13

LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2503.5	39725	9.89	13	2506.0	39750	10.07	13
2593.0	40620	8.45	13	2593.0	40620	11.06	13
2682.5	41515	7.96	13	2680.0	41490	9.98	13

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LTE BAND 66							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
1710.7	131979	5.84	13	1711.5	131987	5.95	13
1745.0	132322	6.19	13	1745.0	132322	6.17	13
1779.3	132665	5.91	13	1778.5	132657	5.98	13

LTE BAND 66							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
1712.5	131997	5.88	13	1715.0	132022	5.95	13
1745.0	132322	5.98	13	1745.0	132322	6.05	13
1777.5	132647	5.90	13	1775.0	132622	6.01	13

LTE BAND 66							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	Peak-to-		Freq. (MHz)	CH	Peak-to-	
		16QAM	Limit			16QAM	Limit
1717.5	132047	6.54	13	1720.0	132072	6.91	13
1745.0	132322	6.69	13	1745.0	132322	7.22	13
1772.5	132597	6.79	13	1770.0	132572	7.26	13

Measurement Results:

Please refer to next page.

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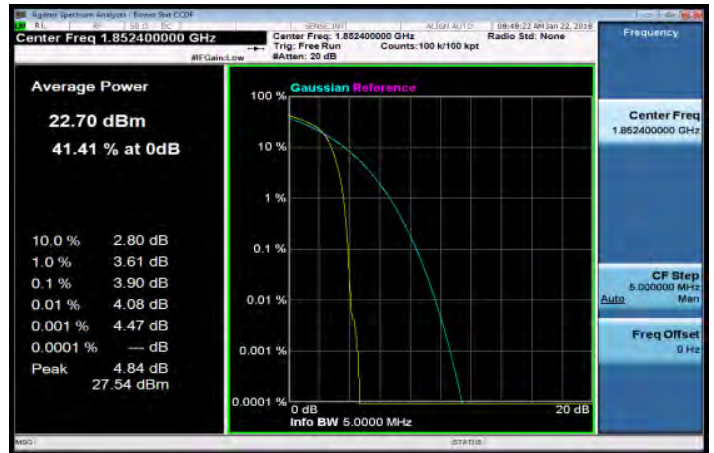
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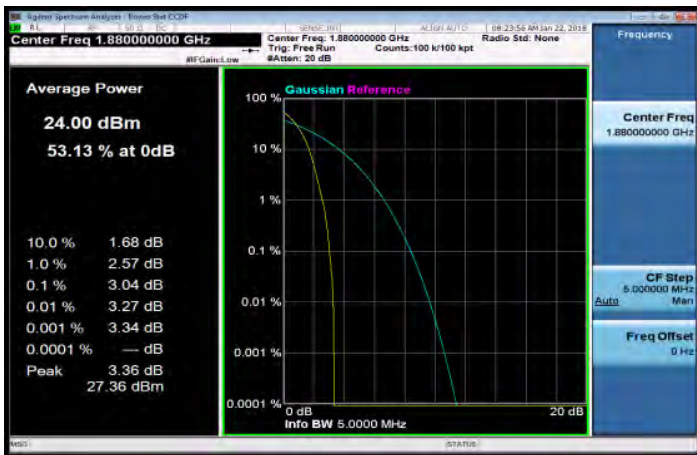
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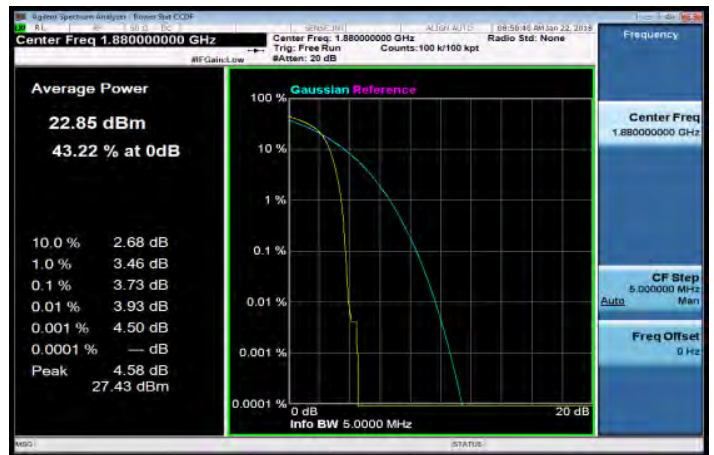
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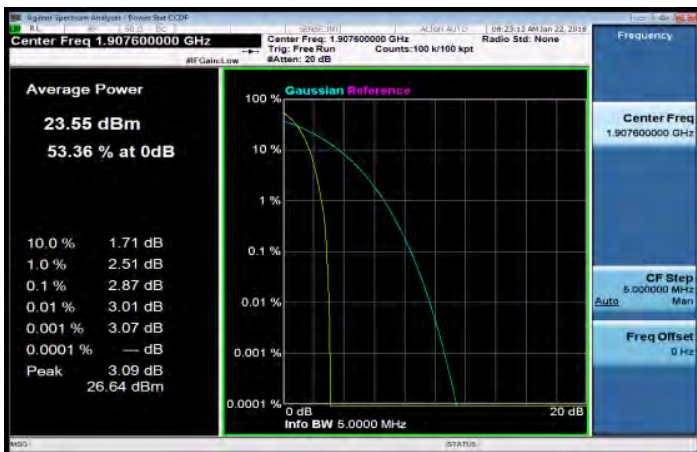
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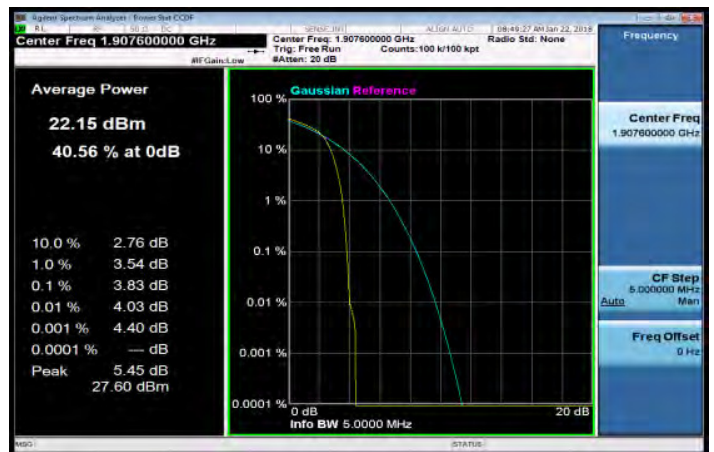
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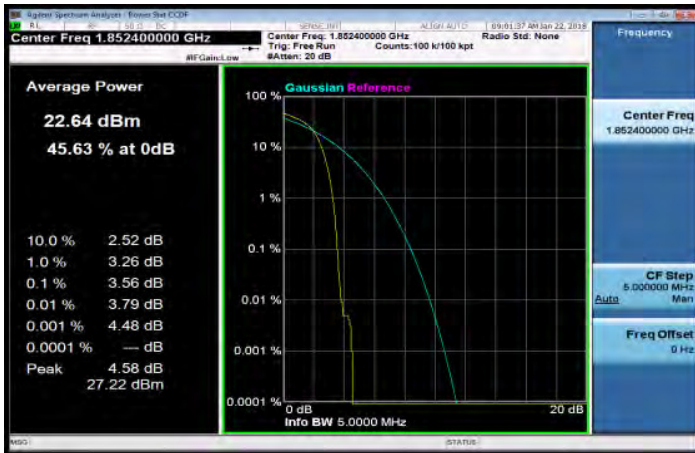


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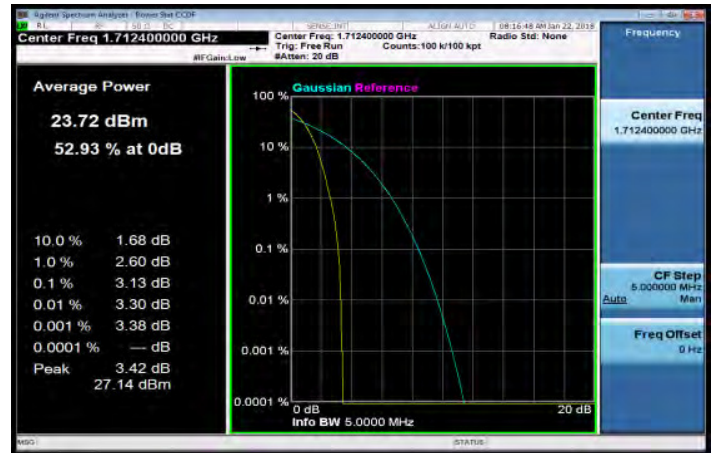
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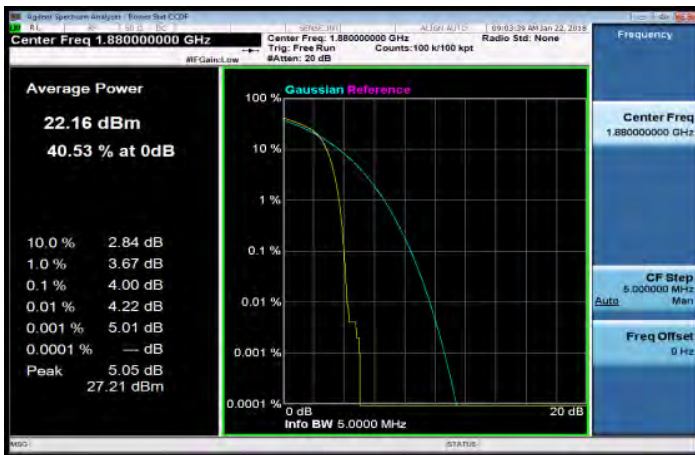
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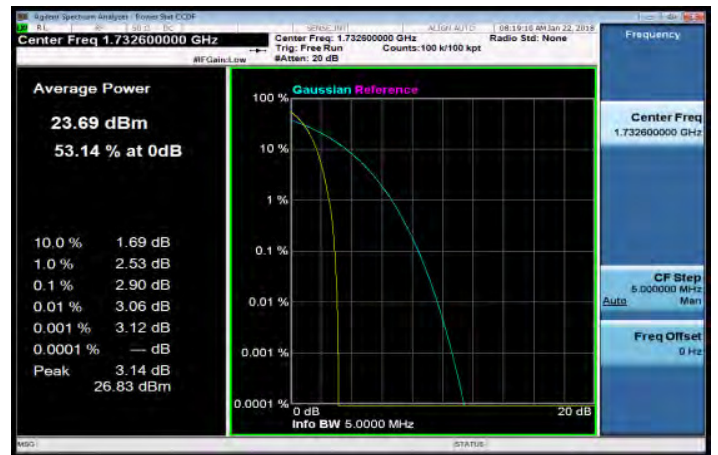
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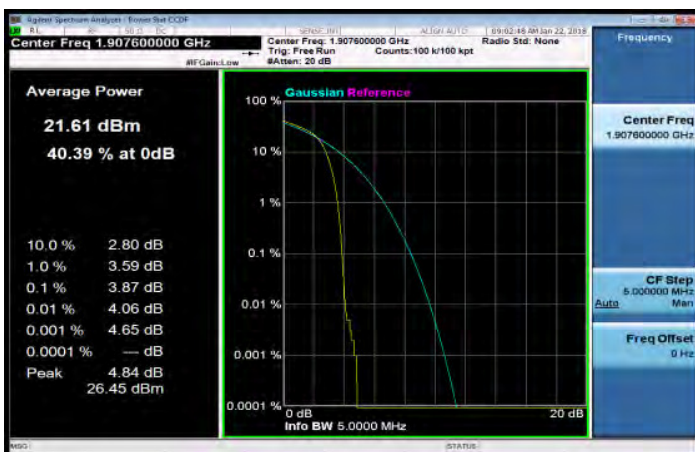
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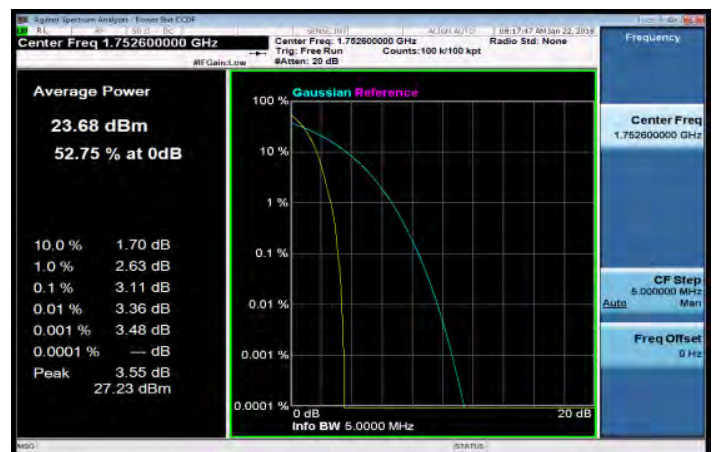
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HSUPA_B2_HighCH9538-1907.6



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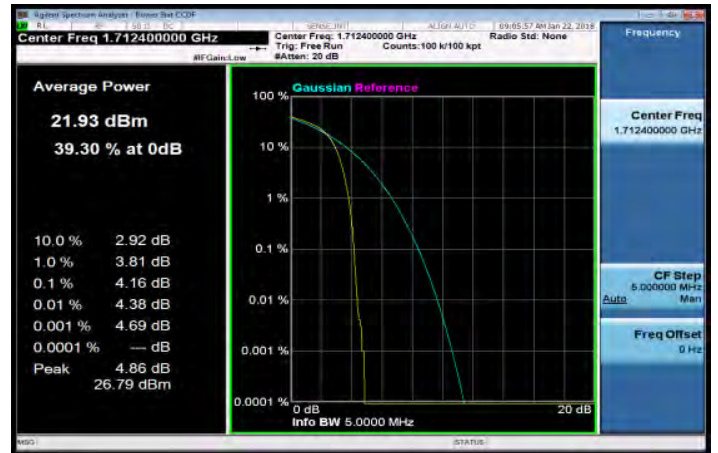
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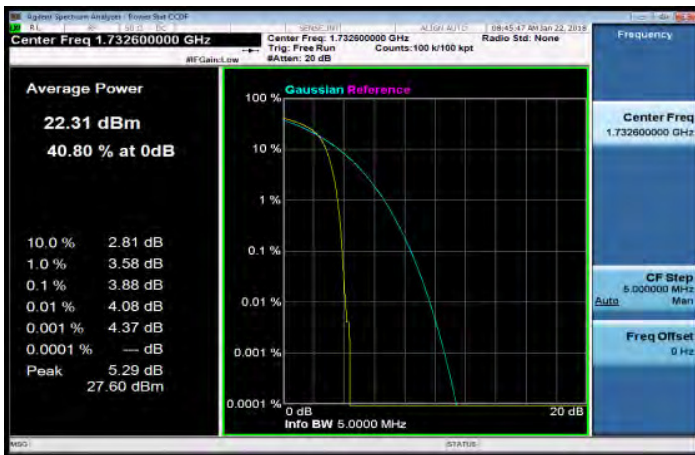
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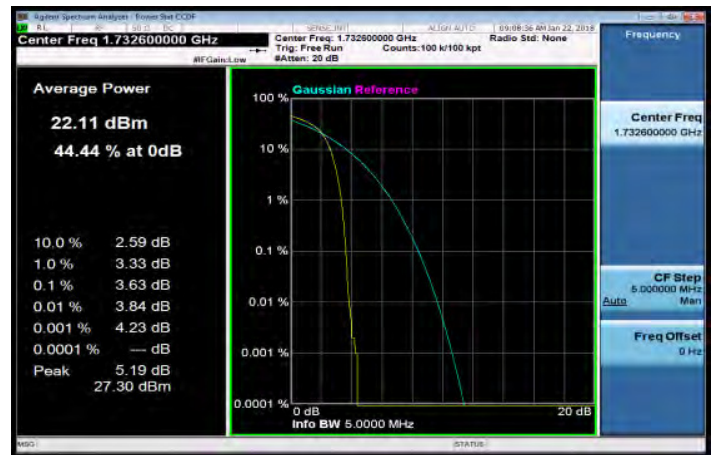
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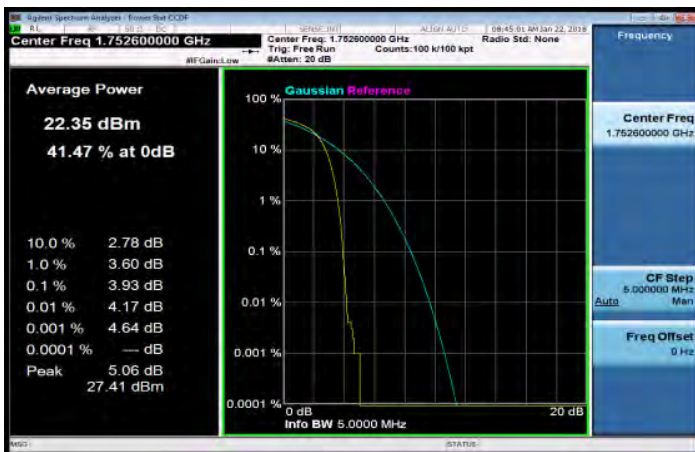
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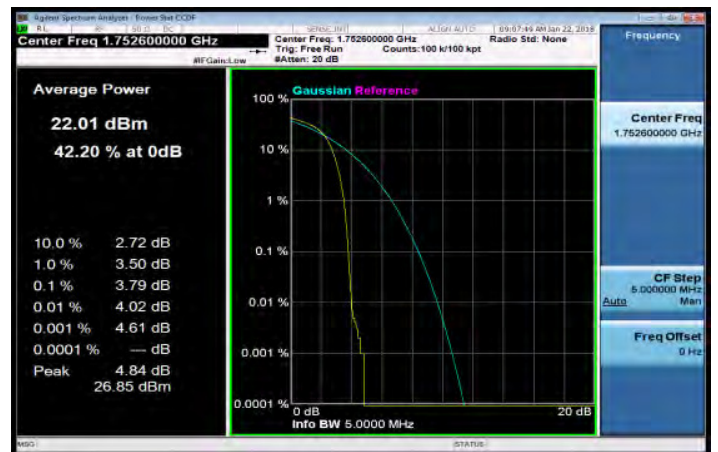
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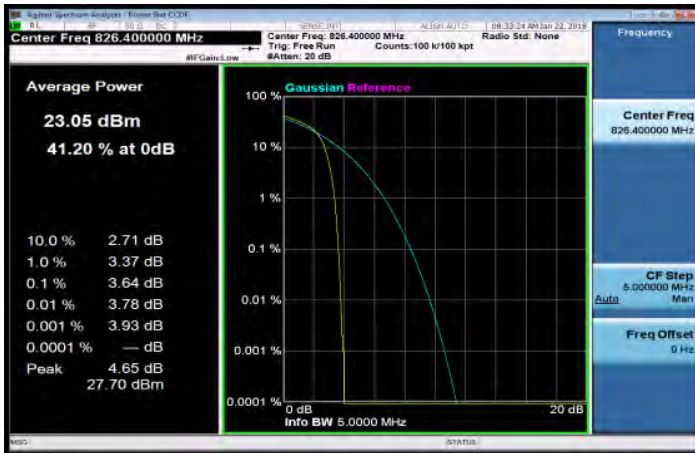


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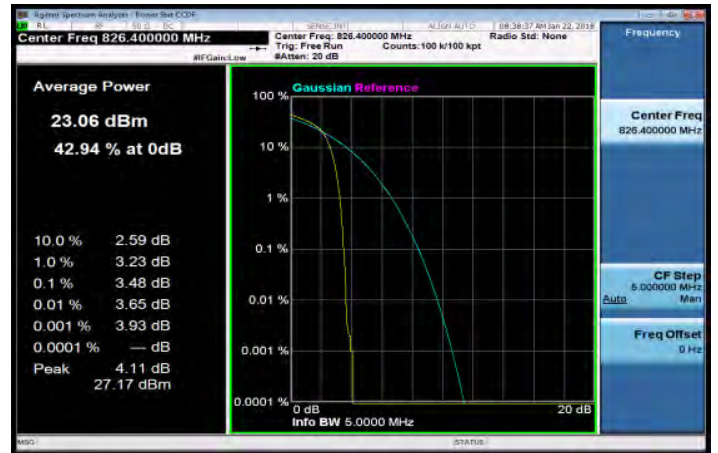
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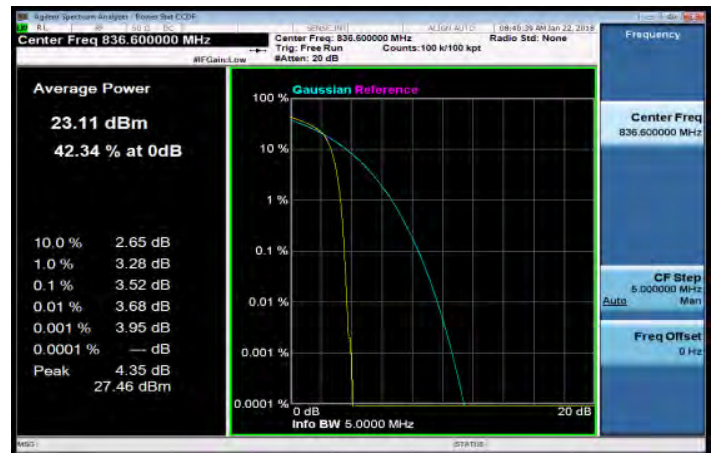
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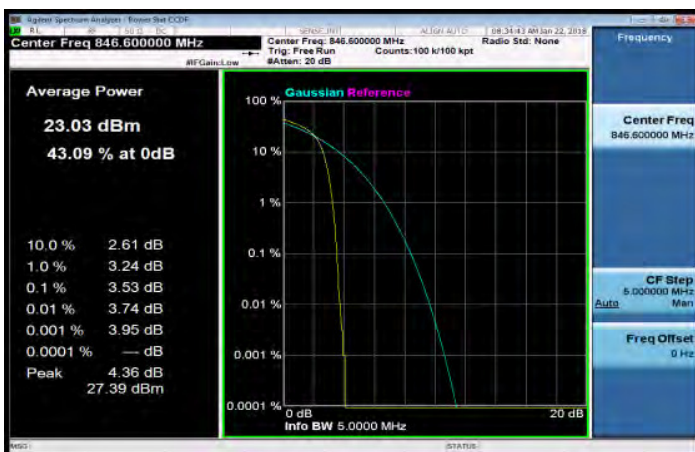
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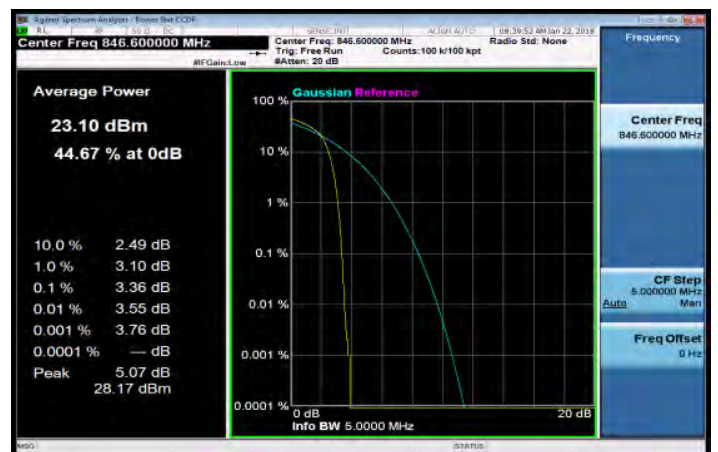
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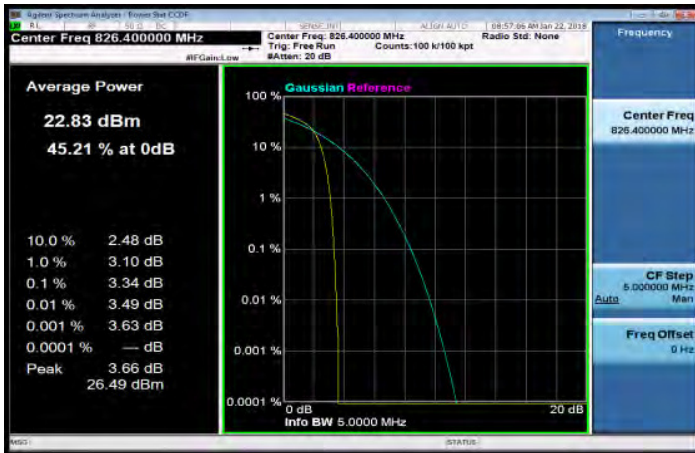


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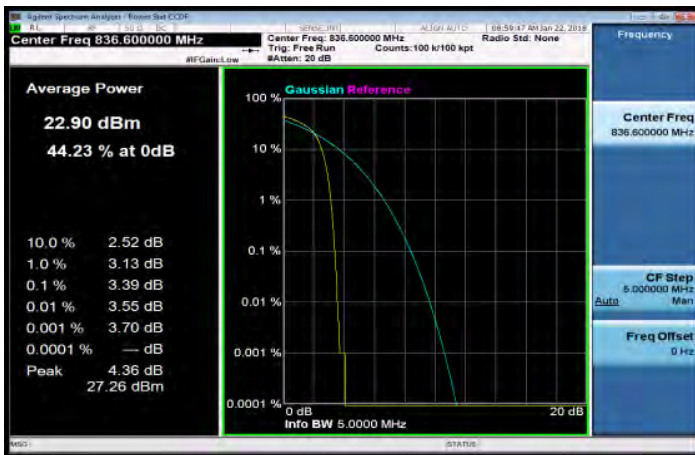
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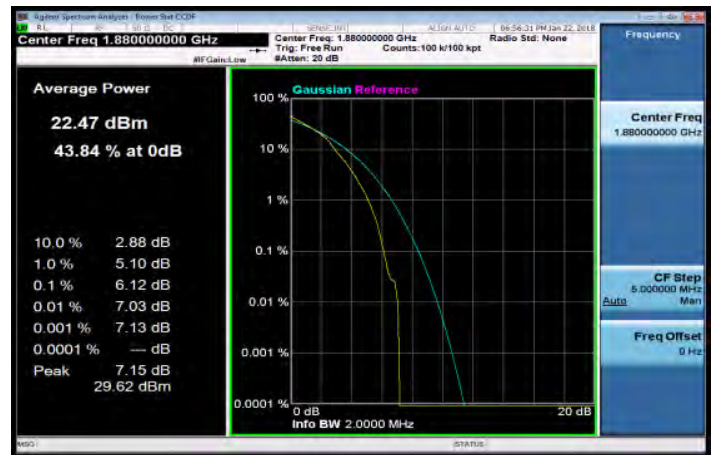
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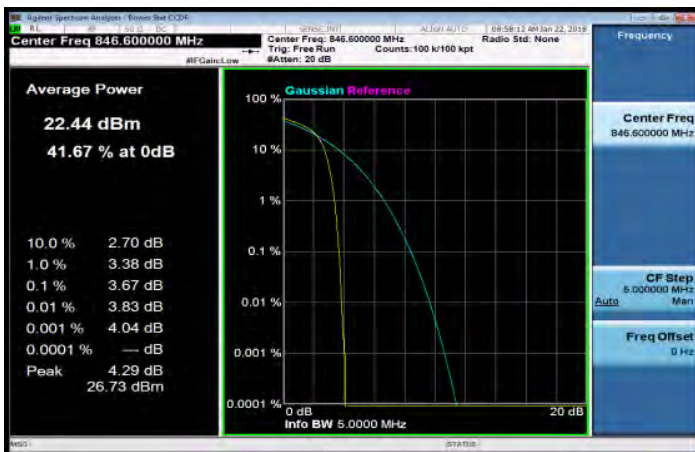
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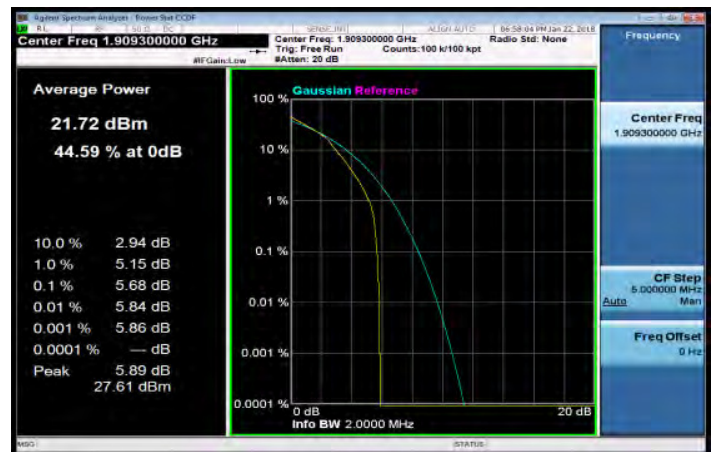
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HSUPA_B5_HighCH4233-846.6



LTE_Band2_1_4MHz_16QAM_6_0_HighCH19193-1909.3



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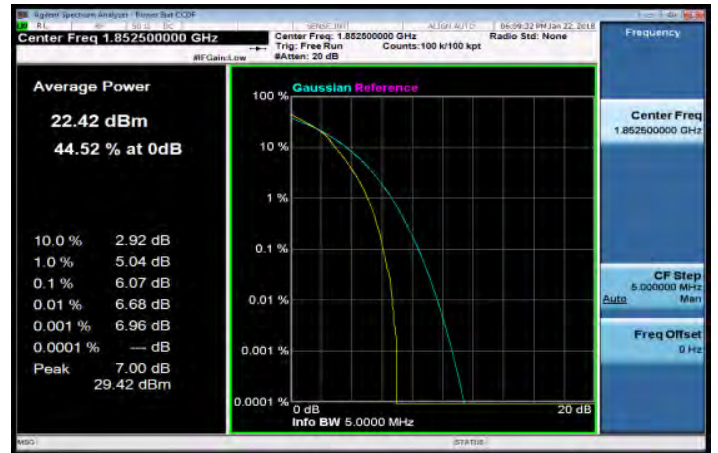
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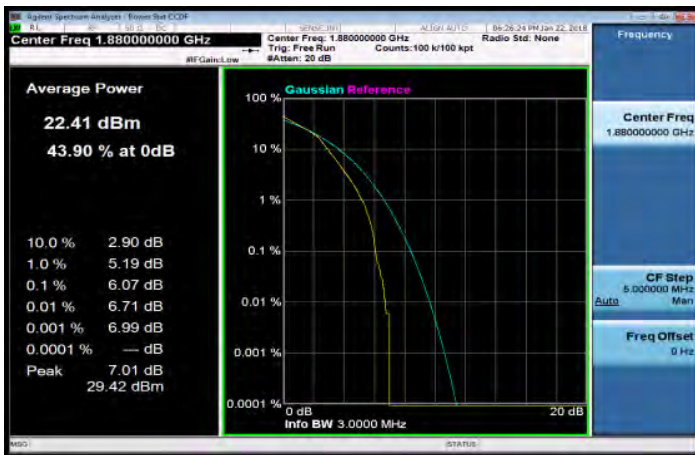
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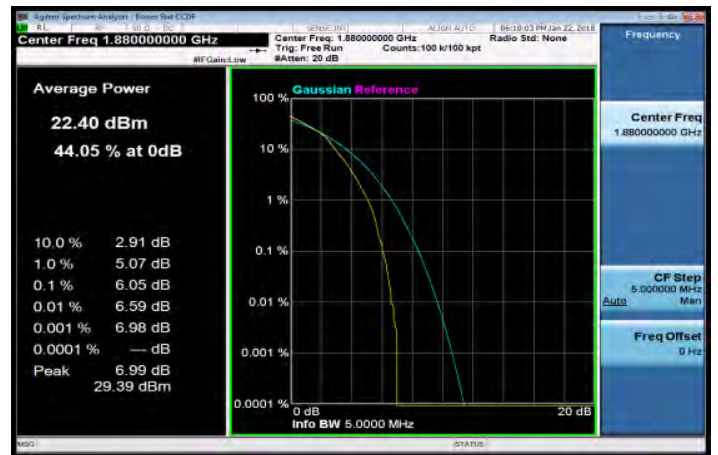
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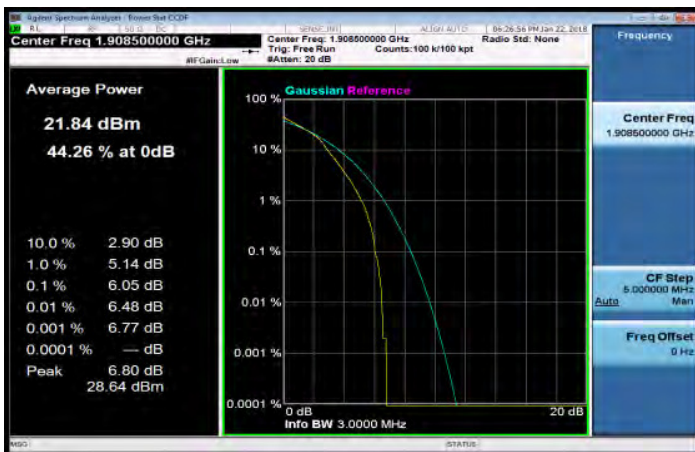
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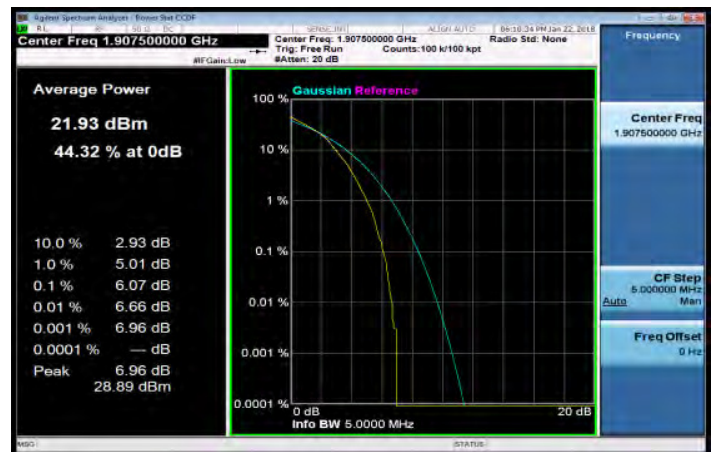
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LTE_Band2_3MHz_16QAM_15_0_HighCH19185-1908.5



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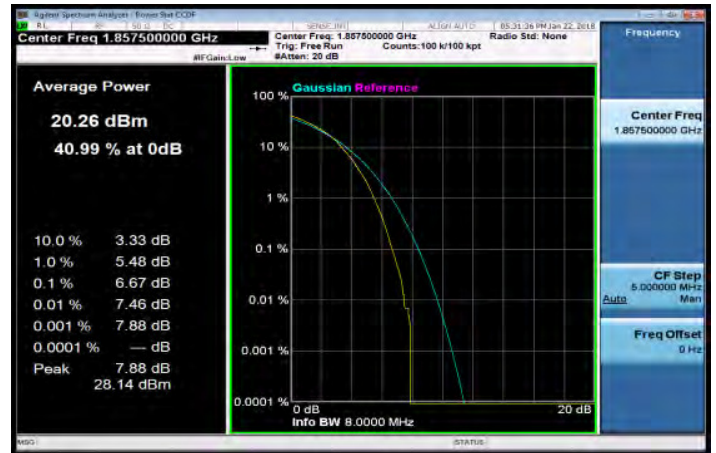
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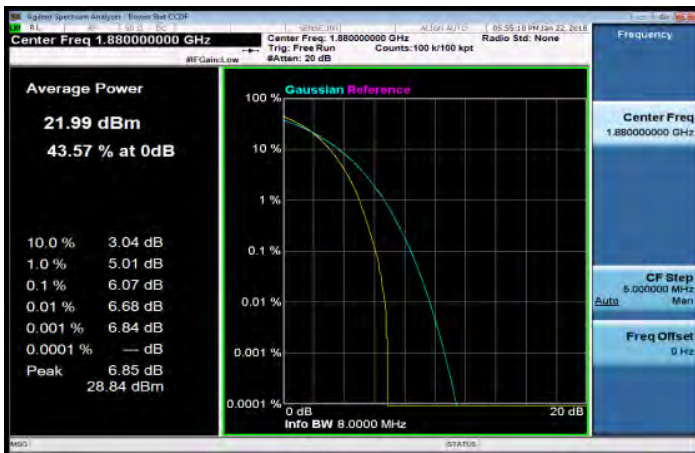
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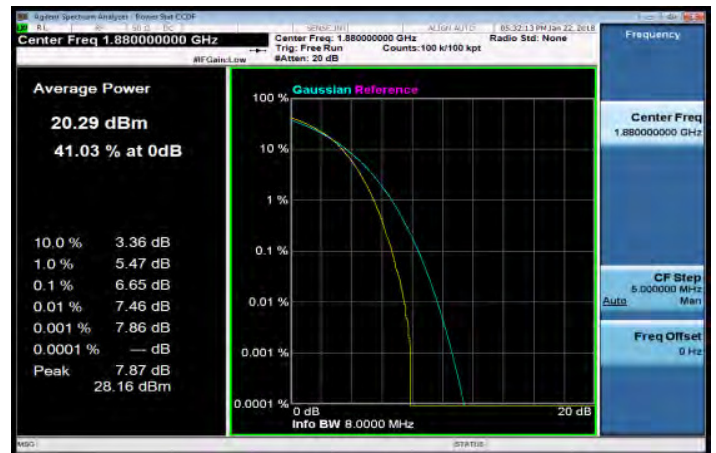
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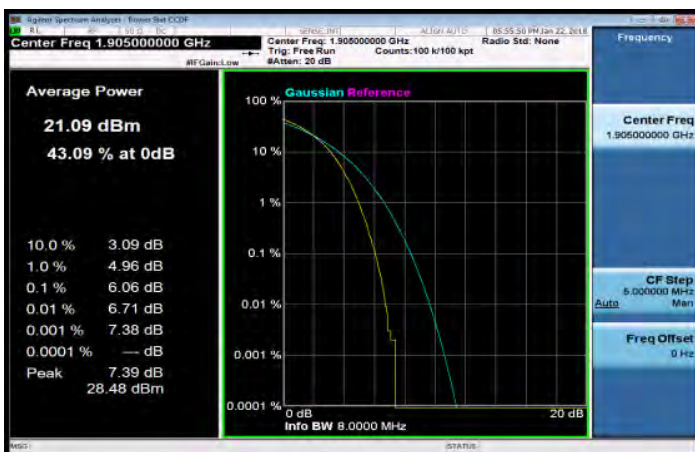
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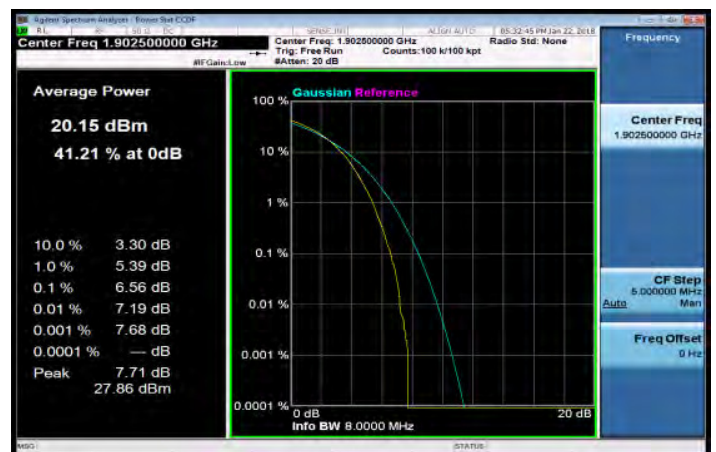
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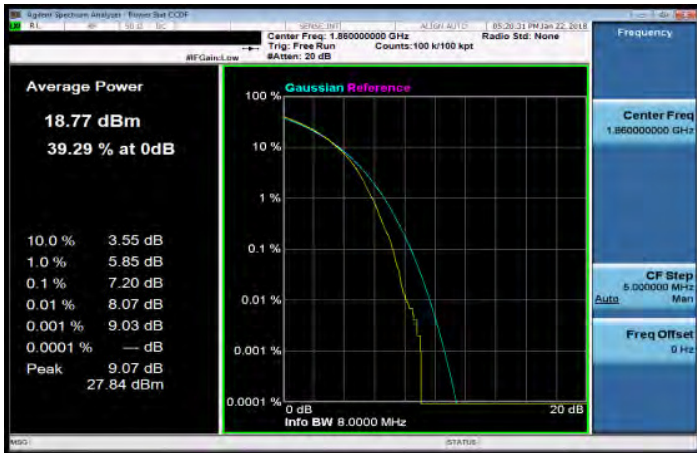


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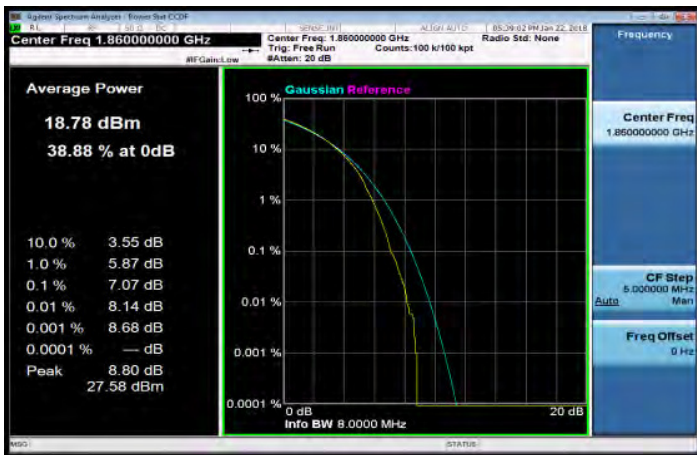
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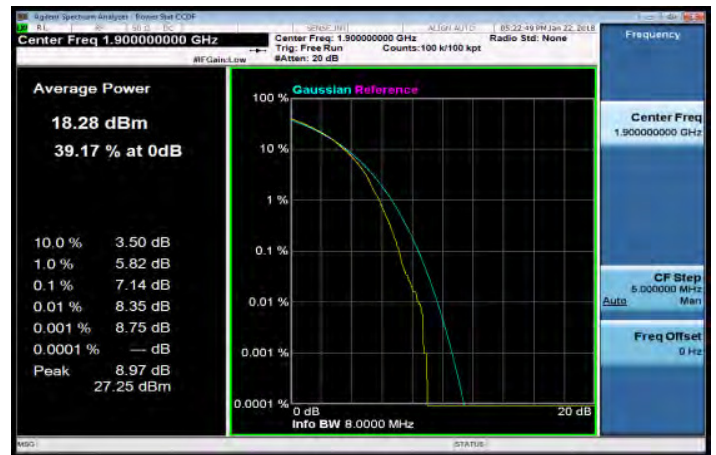
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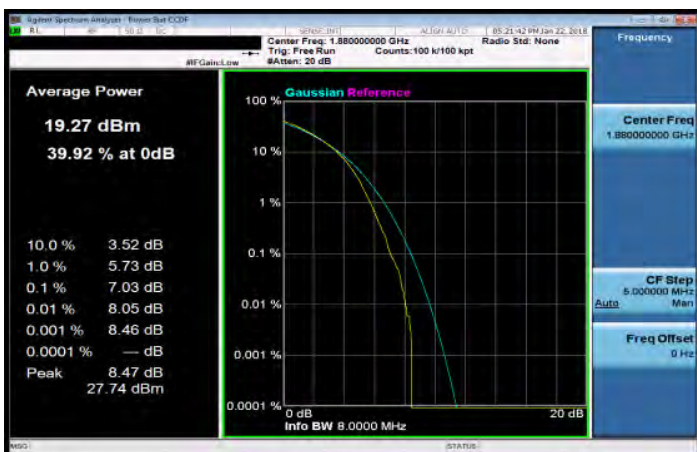
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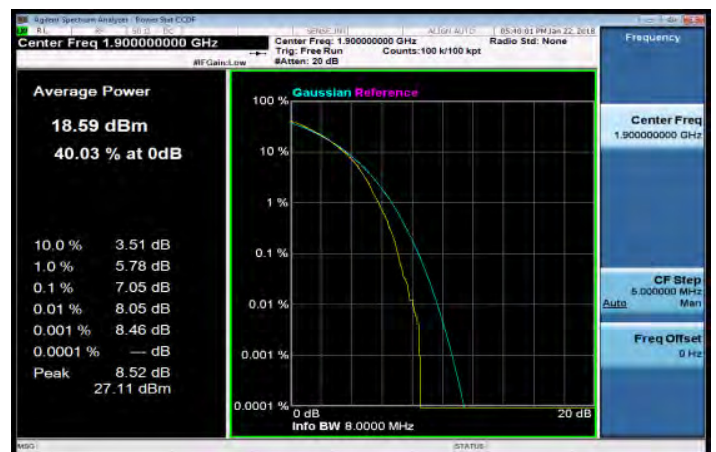
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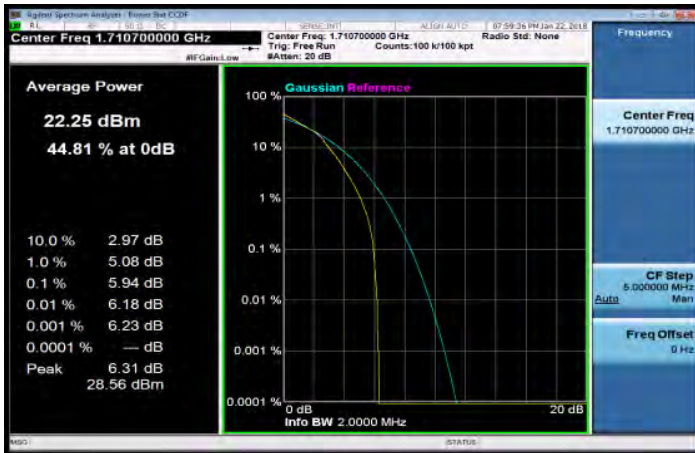


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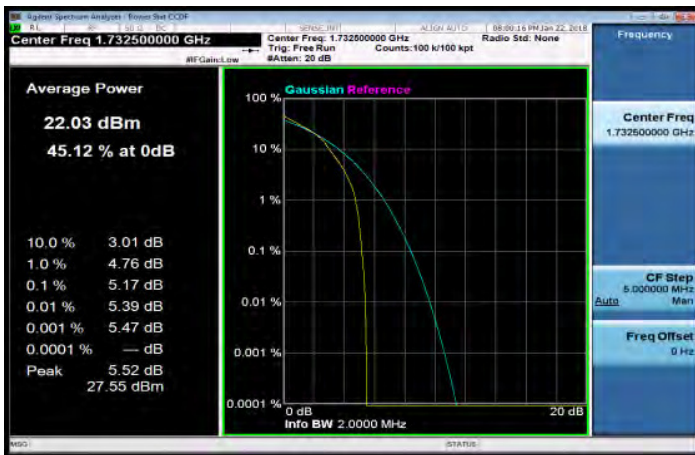
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LTE_Band4_1_4MHz_16QAM_6_0_MidCH20175-1732.5



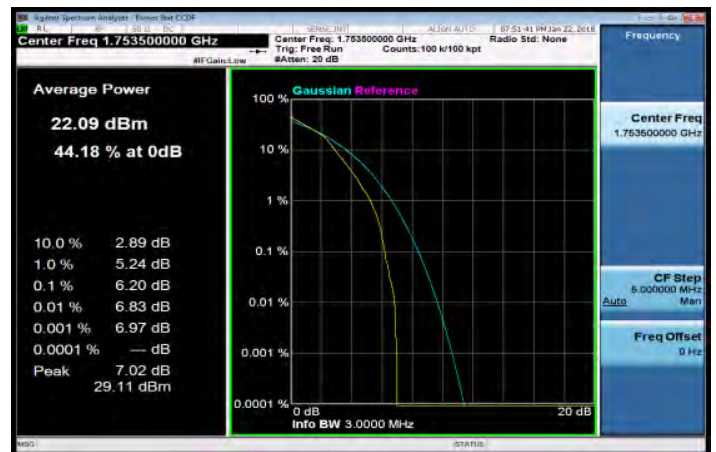
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LTE_Band4_1_4MHz_16QAM_6_0_HighCH20393-1754.3



LTE_Band4_3MHz_16QAM_15_0_HighCH20385-1753.5



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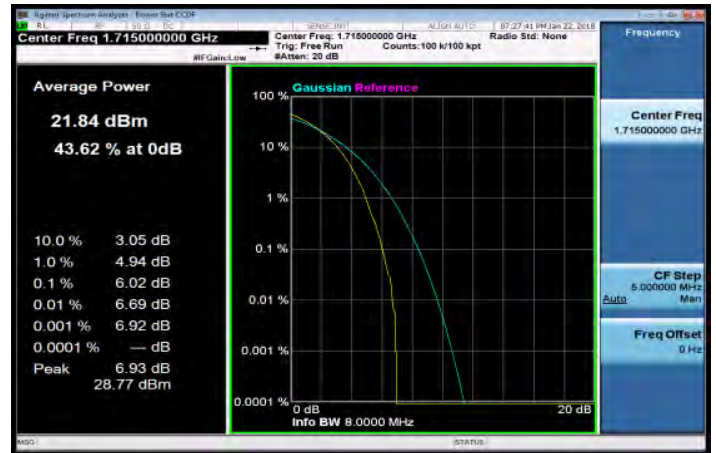
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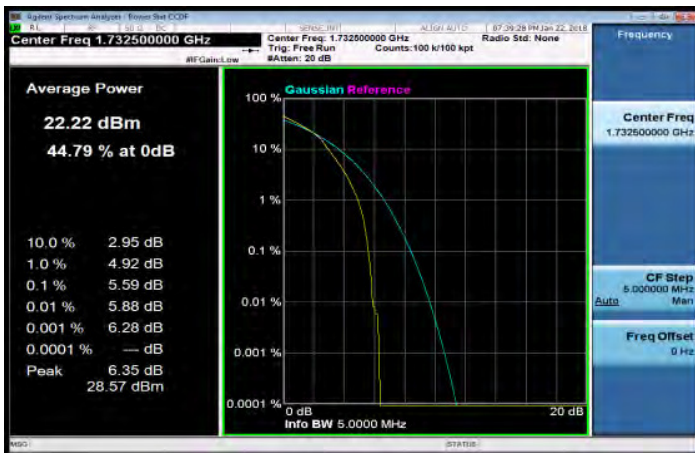
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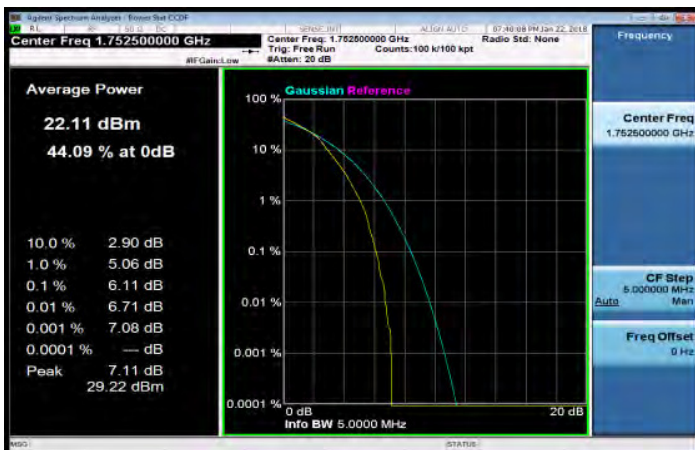
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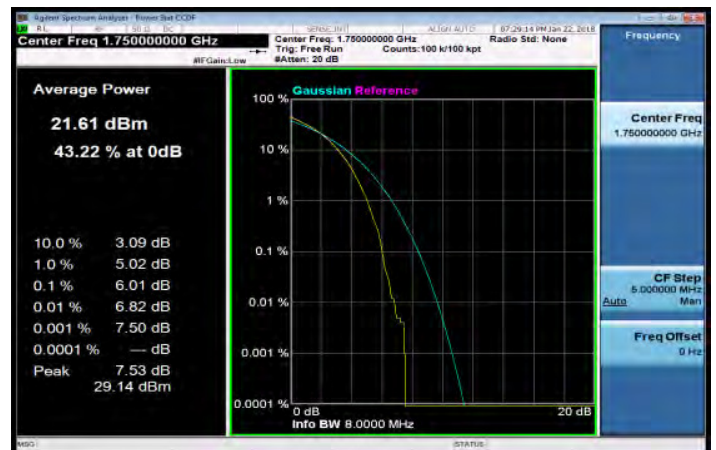
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LTE_Band4_10MHz_16QAM_50_0_HighCH20350-1750

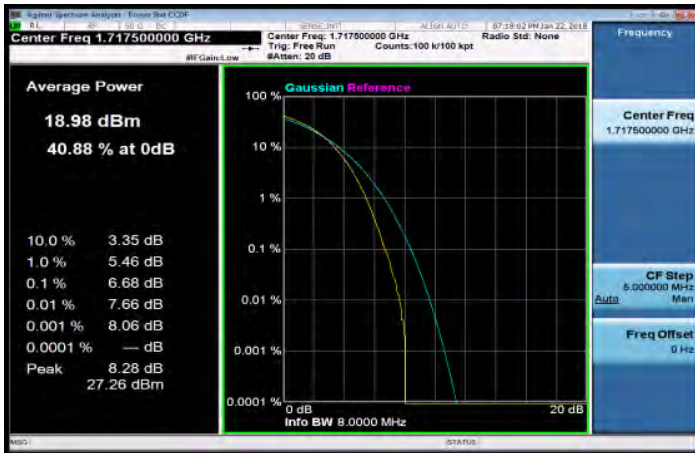


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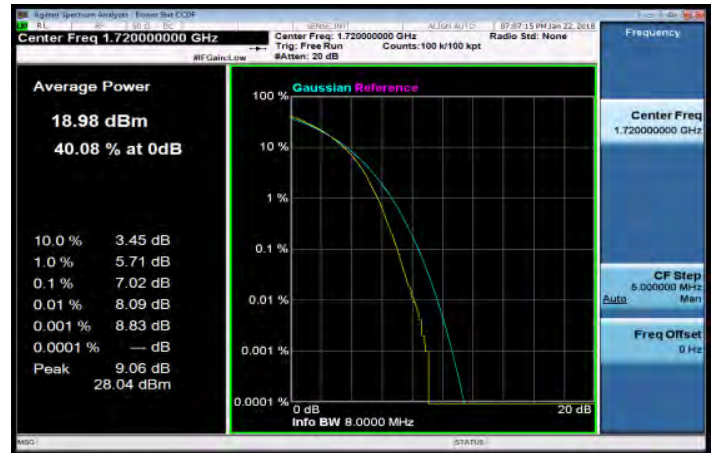
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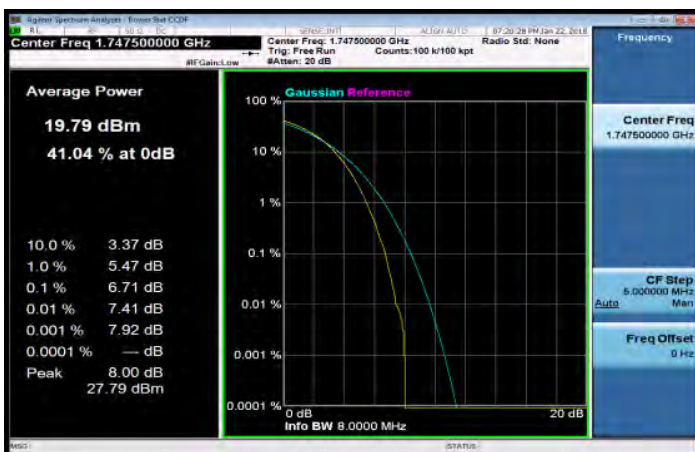
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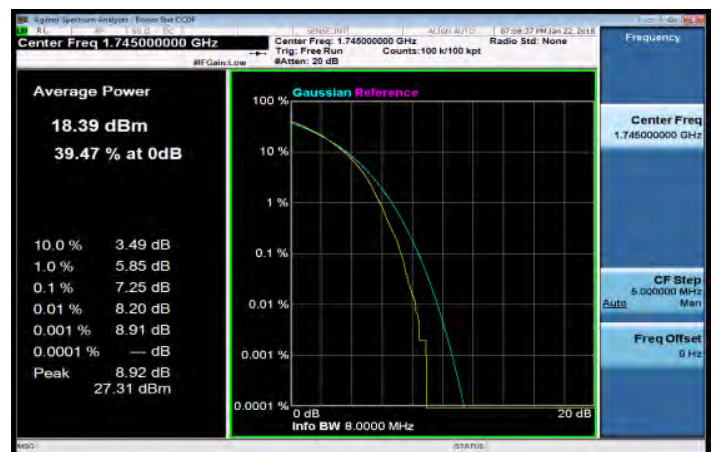
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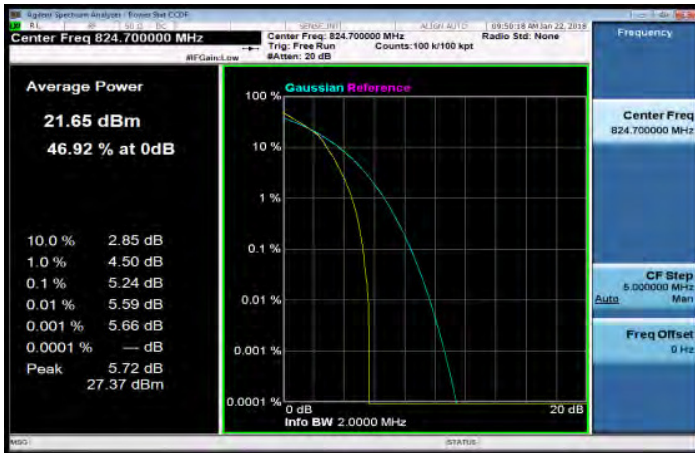


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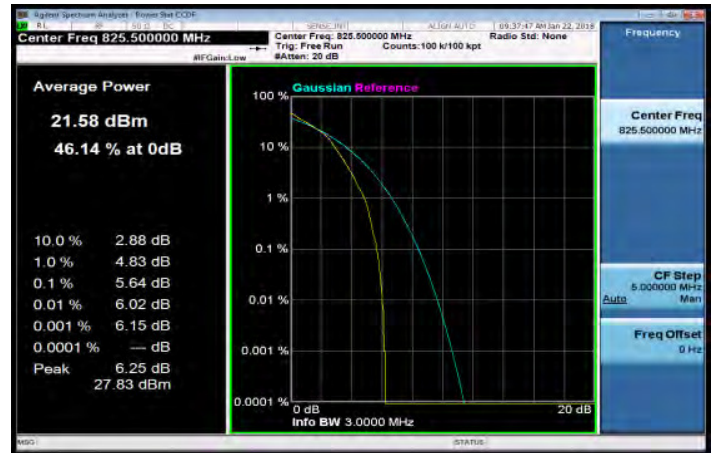
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LTE_Band5_1_4MHz_16QAM_6_0_LowCH20407-824.7



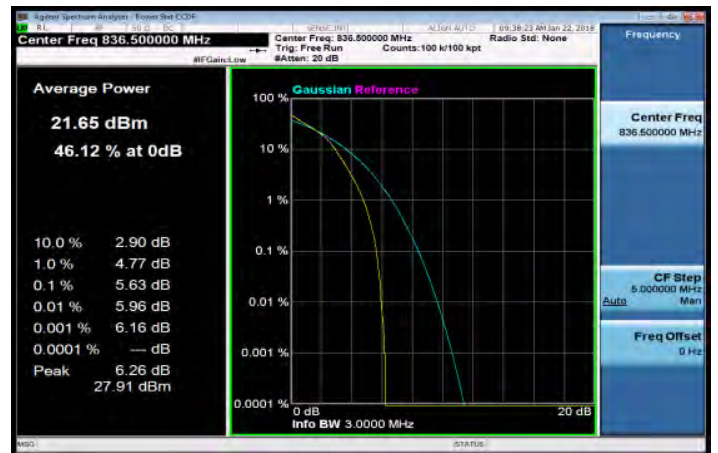
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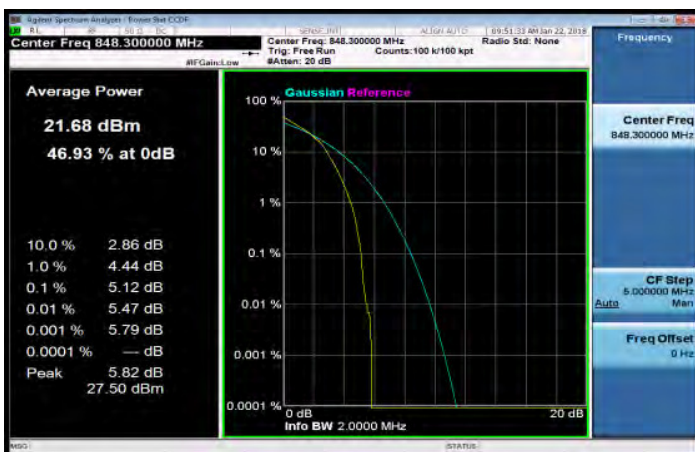
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LTE_Band5_3MHz_16QAM_15_0_MidCH20525-836.5



LTE_Band5_1_4MHz_16QAM_6_0_HighCH20643-848.3



LTE_Band5_3MHz_16QAM_15_0_HighCH20635-847.5



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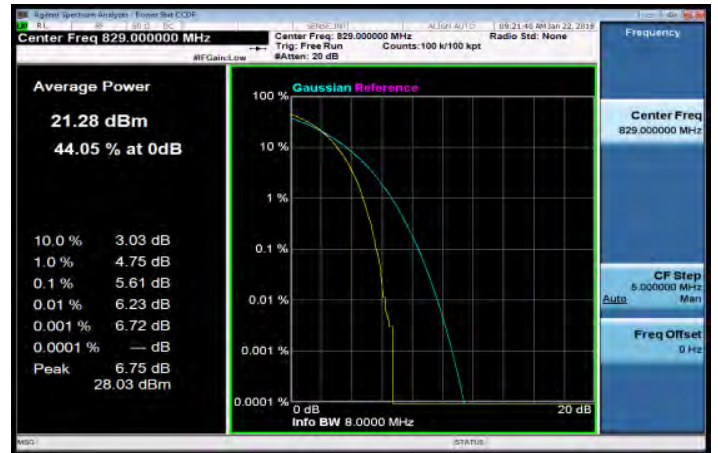
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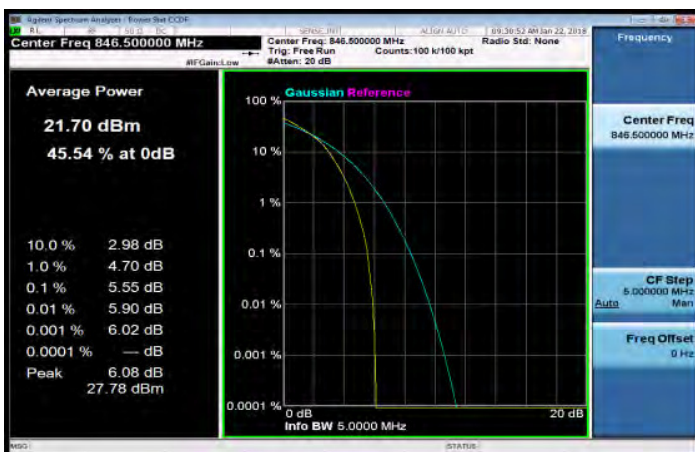
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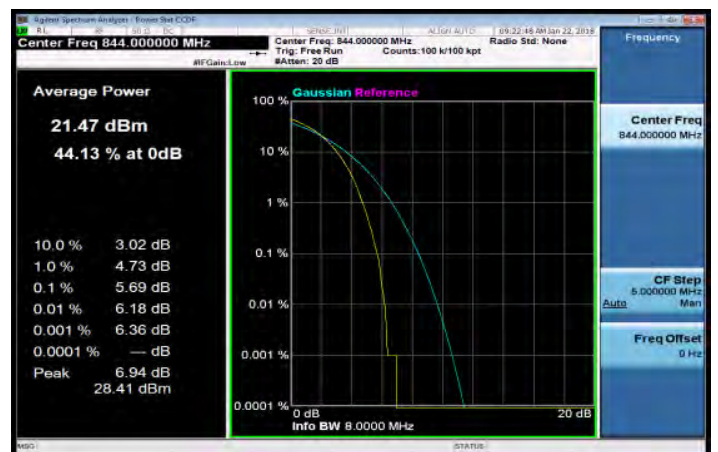
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LTE_Band5_5MHz_16QAM_25_0_HighCH20625-846.5



LTE_Band5_10MHz_16QAM_50_0_HighCH20600-844



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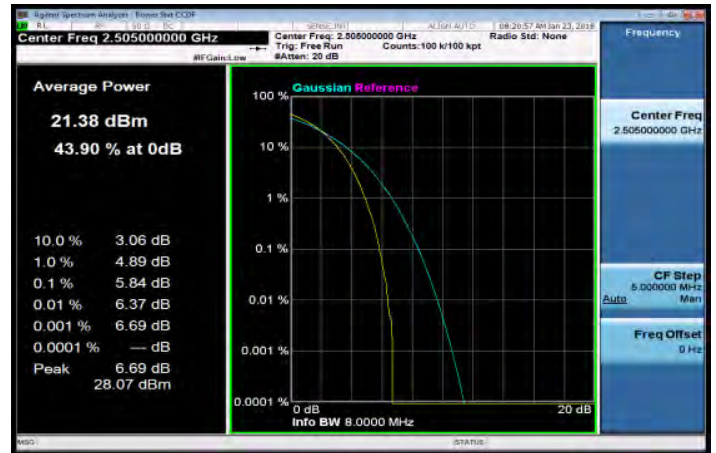
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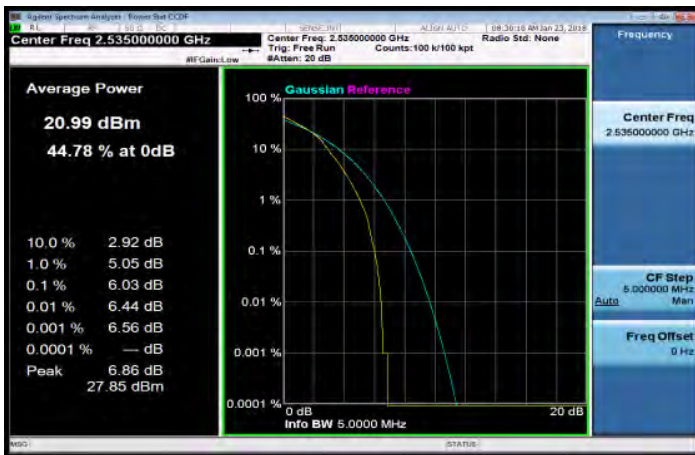
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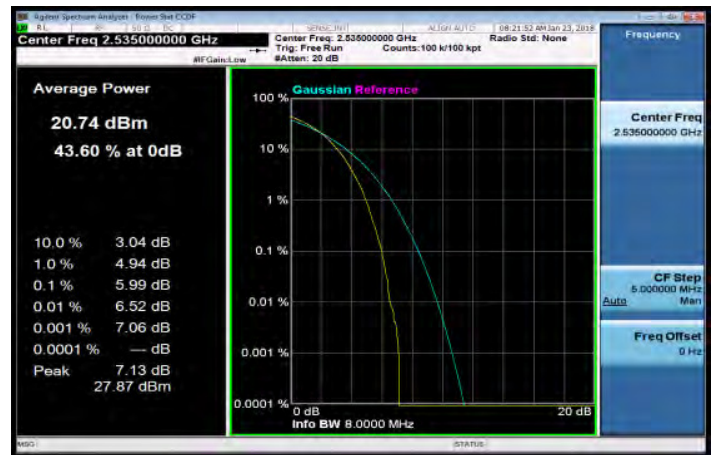
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LTE_Band7_5MHz_16QAM_25_0_MidCH21100-2535



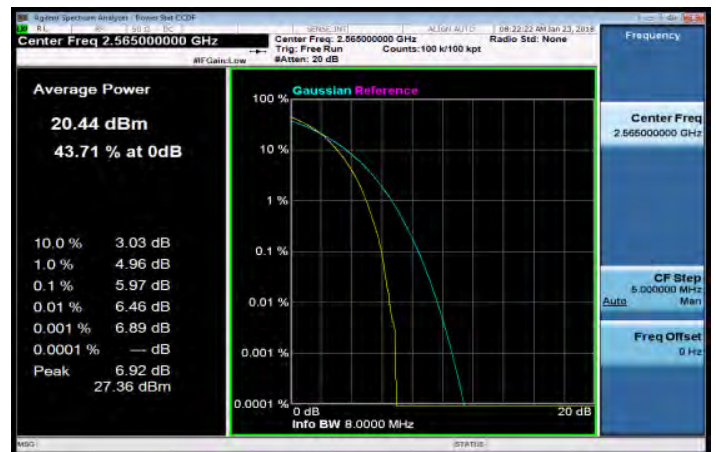
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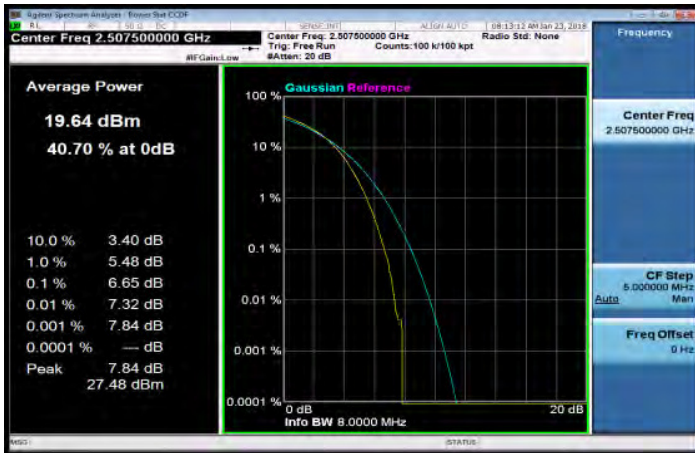


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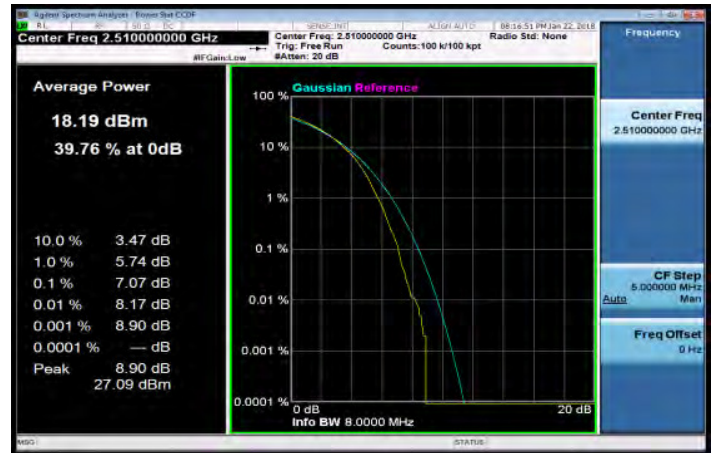
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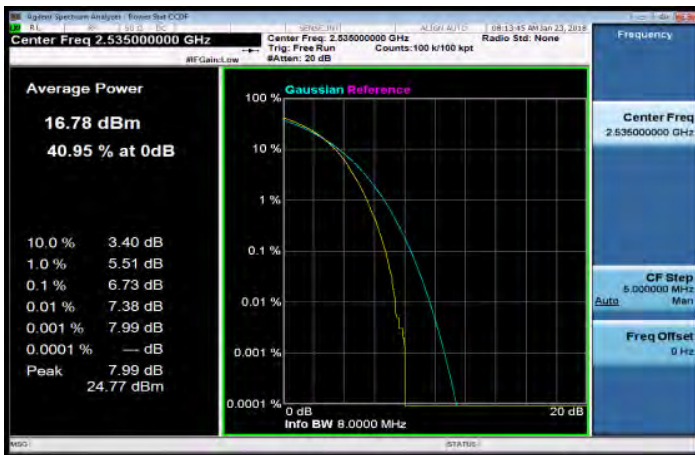
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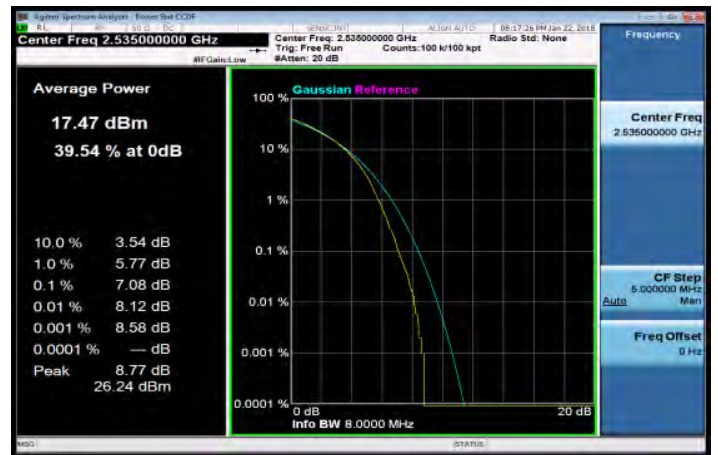
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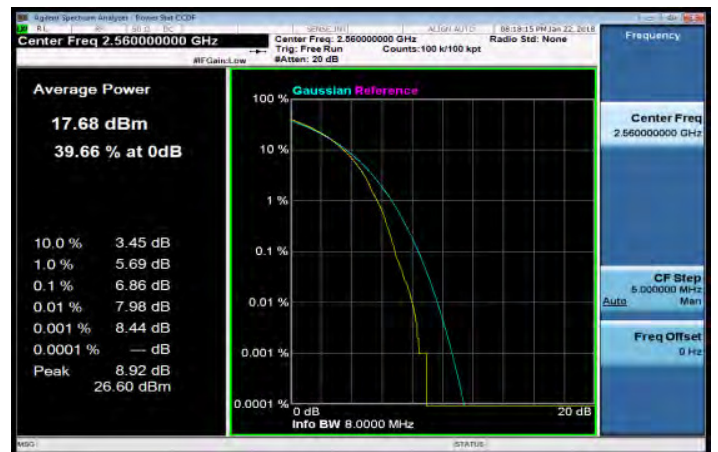
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LTE_Band7_15MHz_16QAM_75_0_HighCH21375-2562.5



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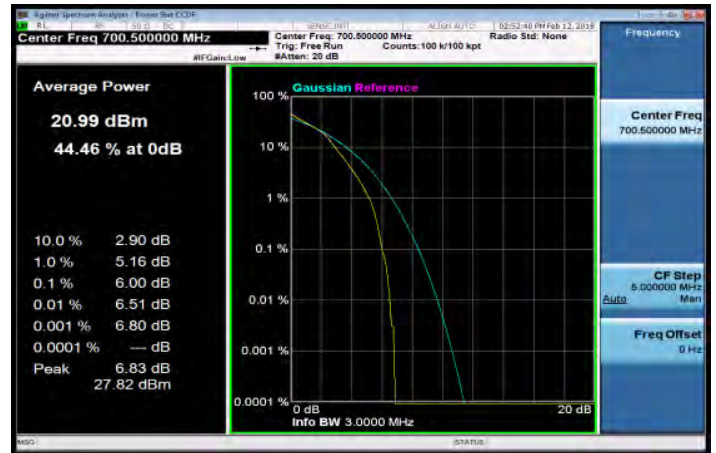
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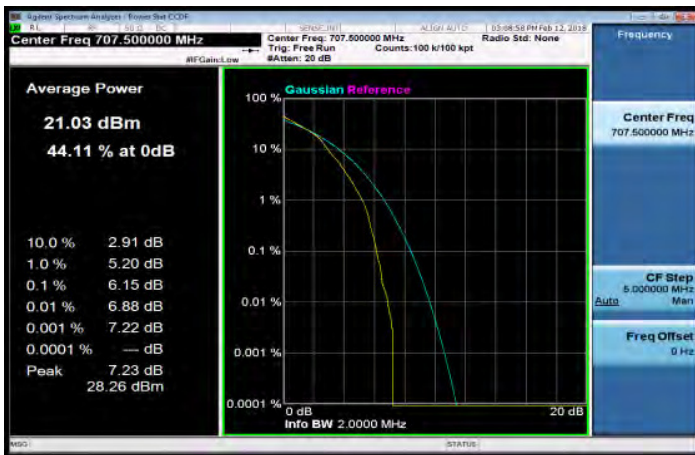
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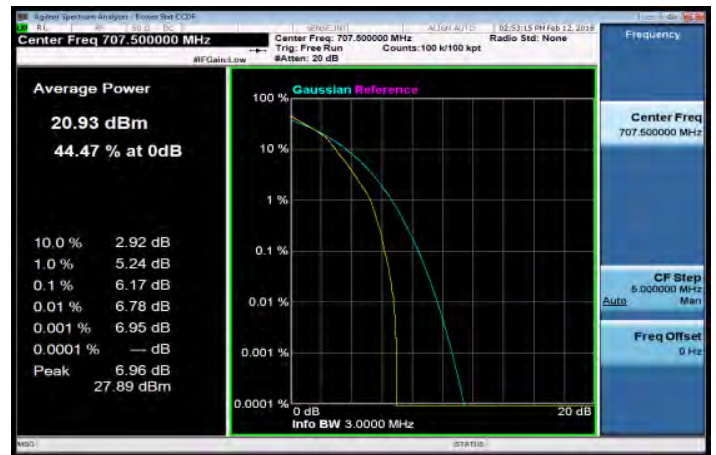
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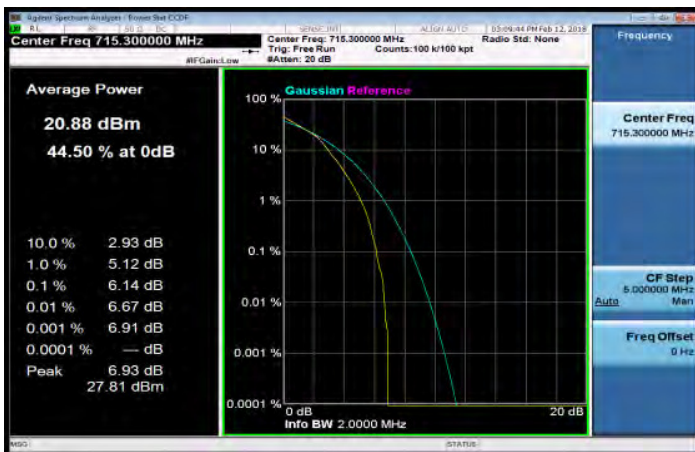
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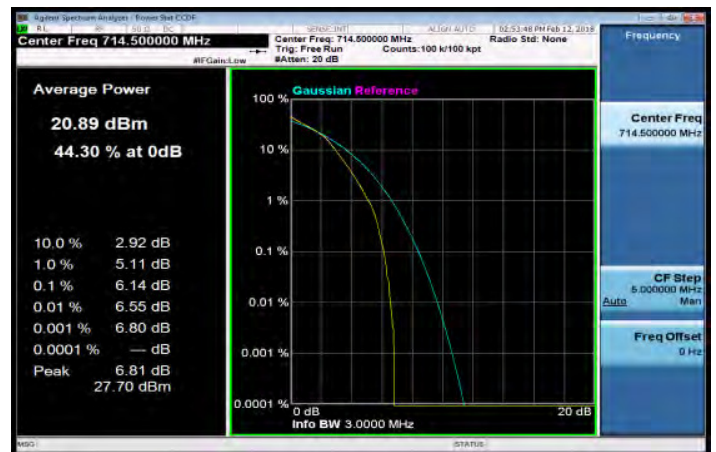
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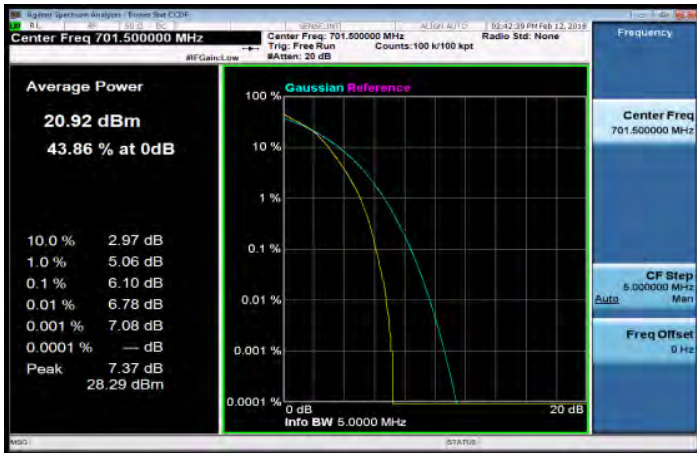


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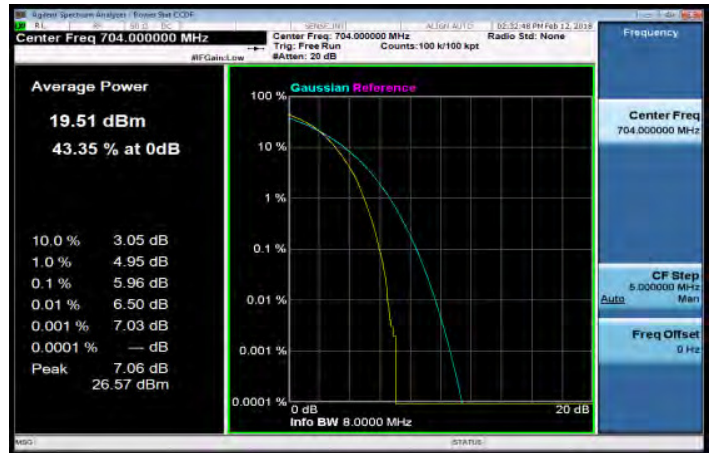
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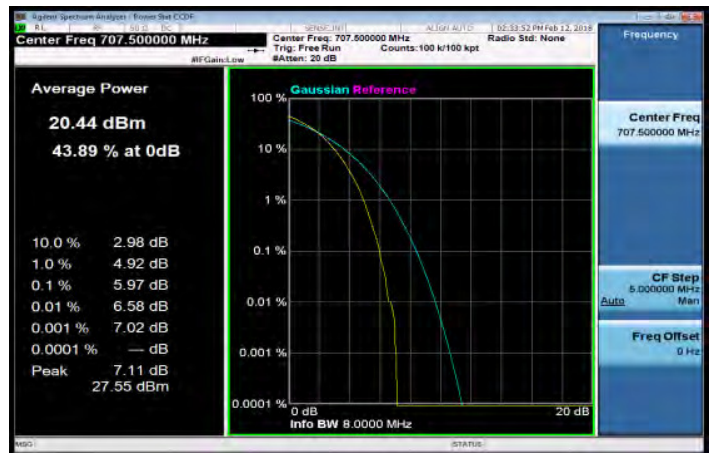
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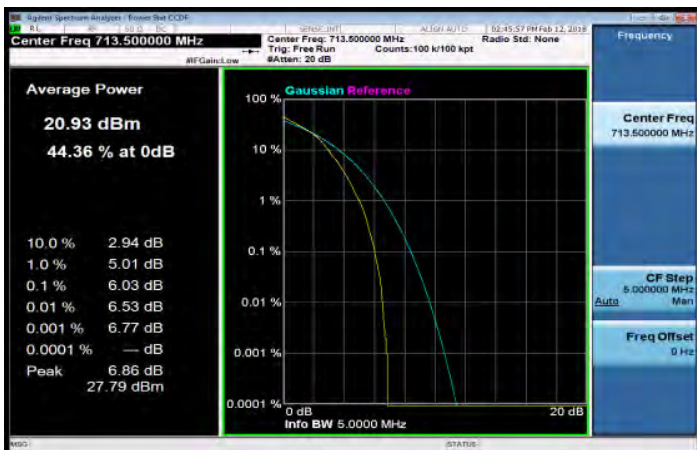
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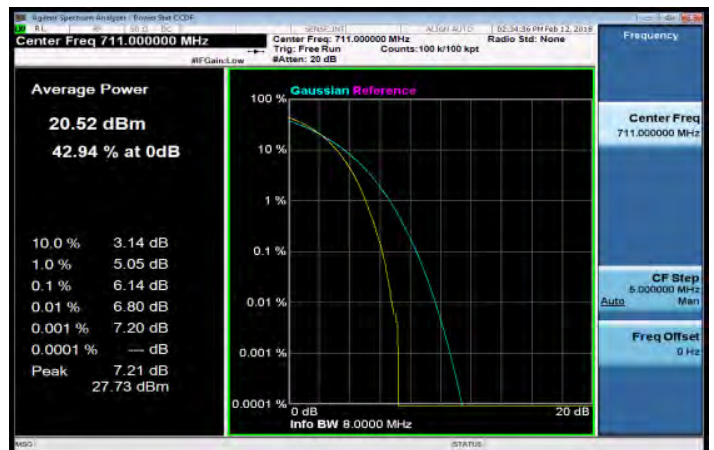
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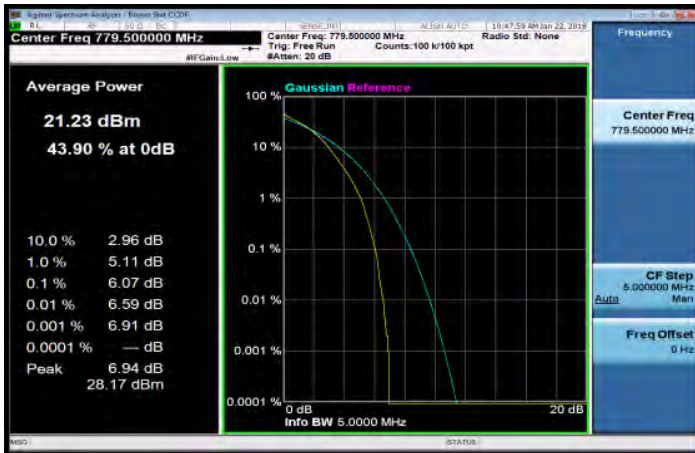


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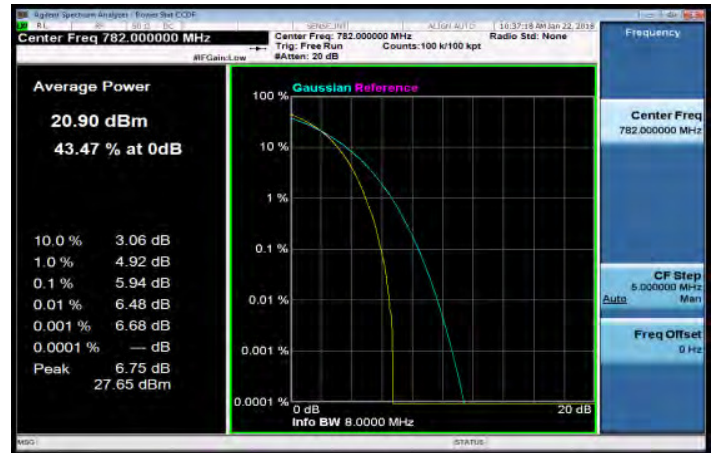
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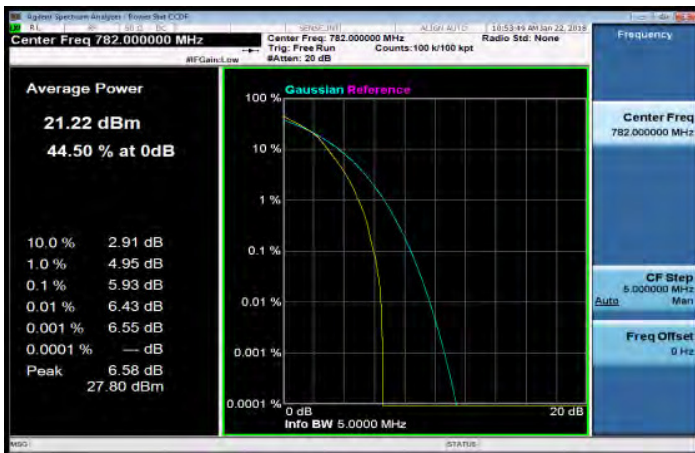
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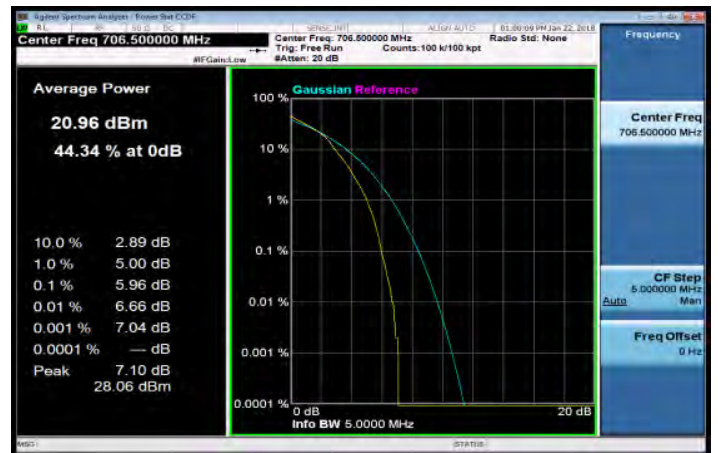
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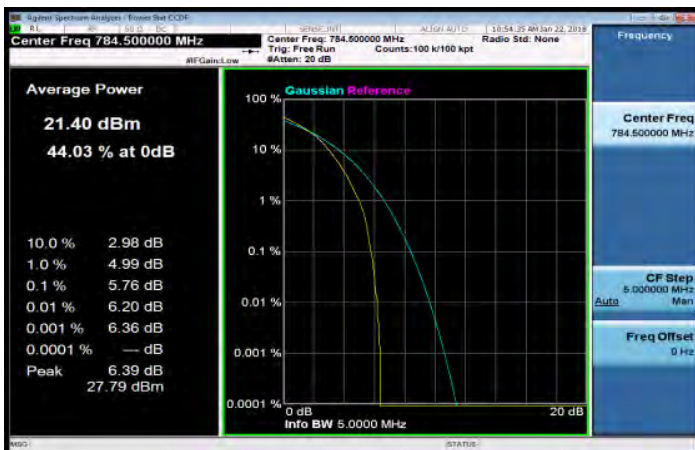
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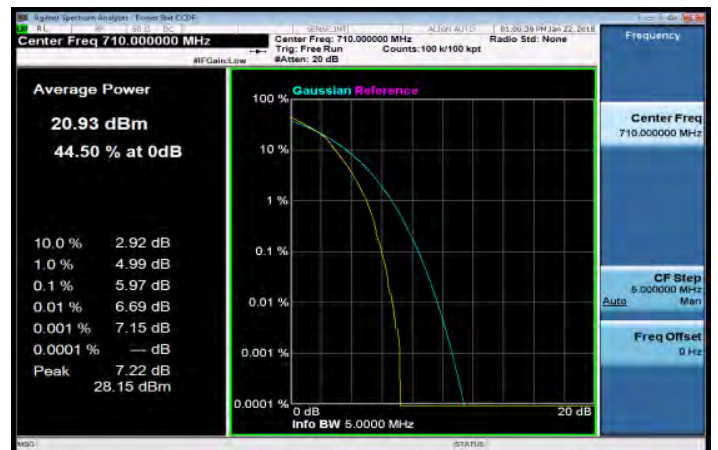
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LTE_Band17_5MHz_16QAM_25_0_MidCH23790-710

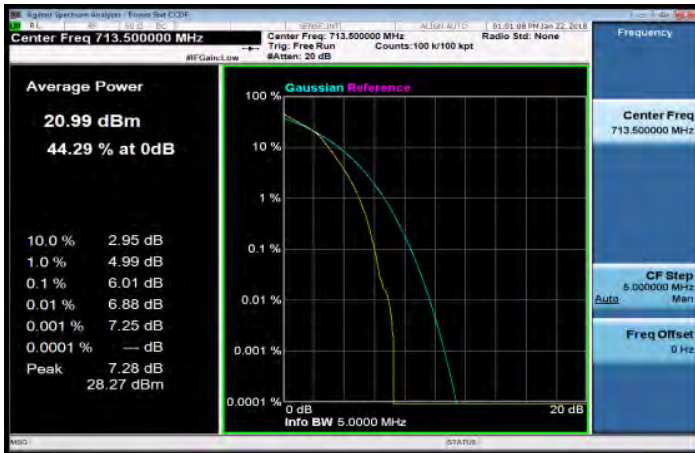


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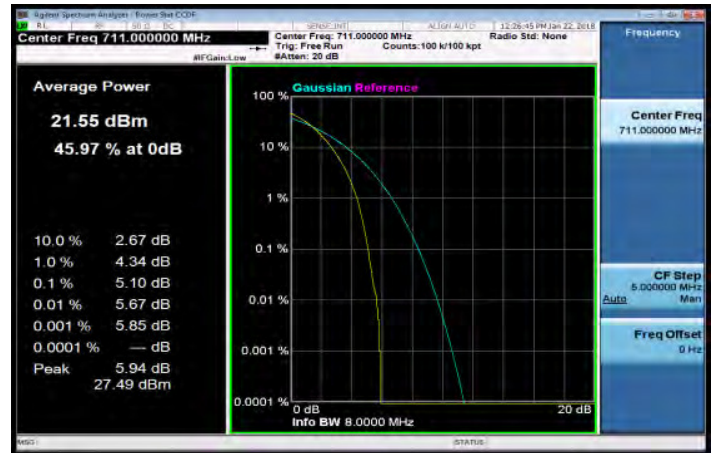
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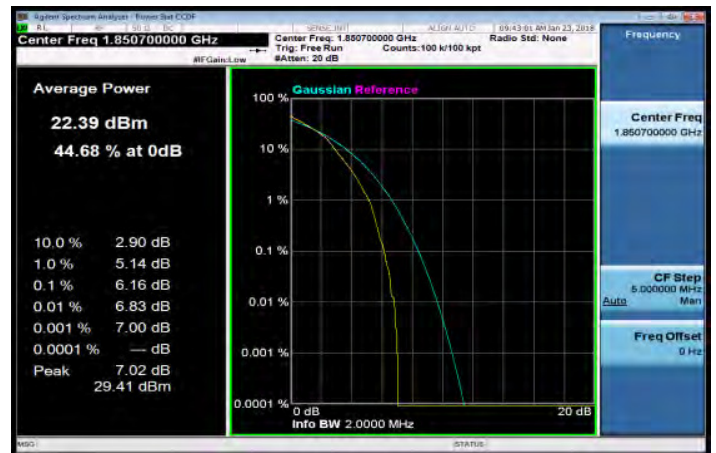
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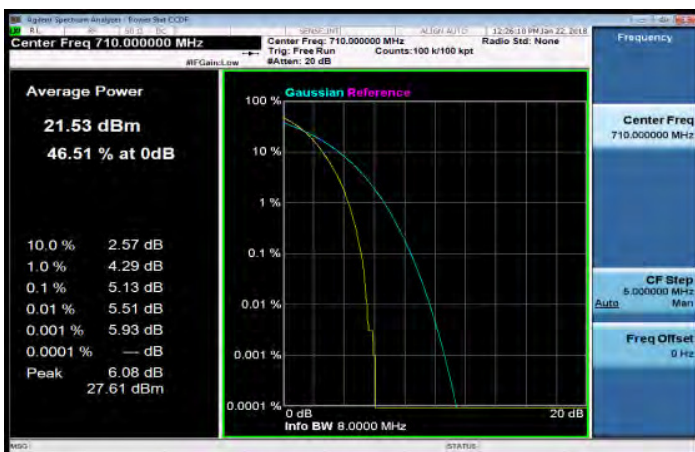
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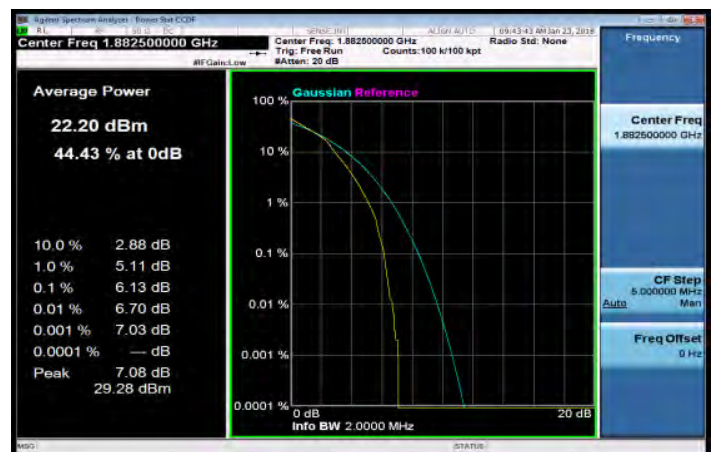
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LTE_Band17_10MHz_16QAM_50_0_MidCH23790-710



LTE_Band25_1_4MHz_16QAM_6_0_MidCH26365-1882.5



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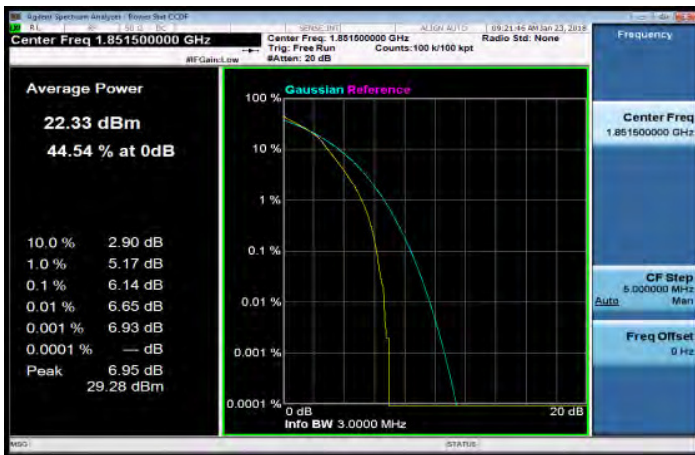
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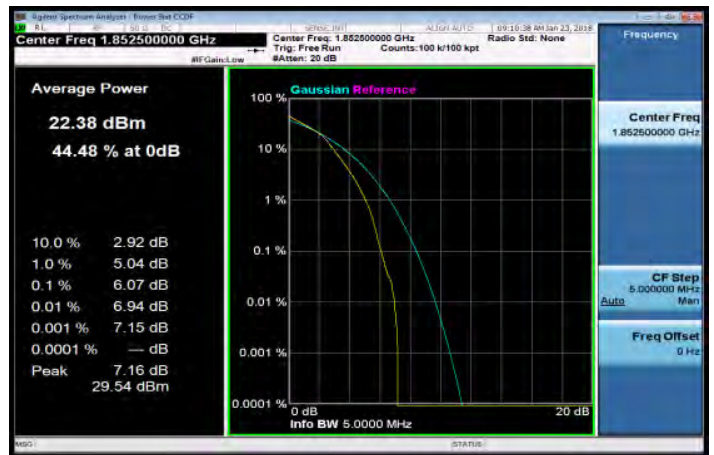
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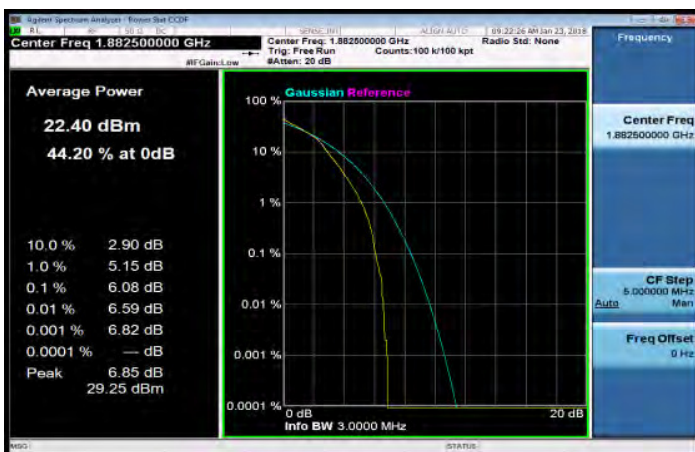
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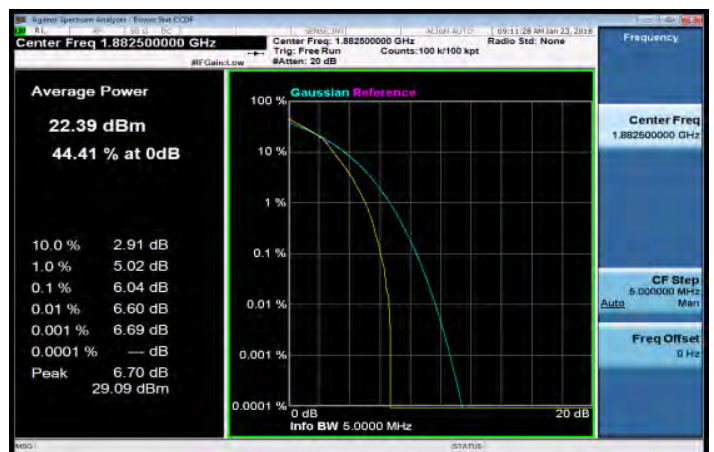
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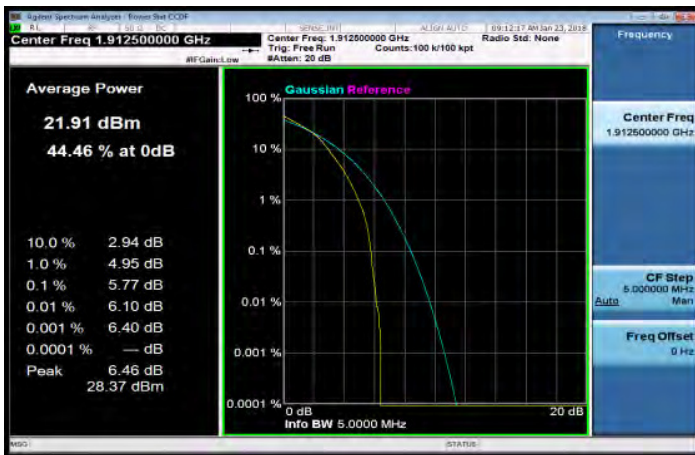


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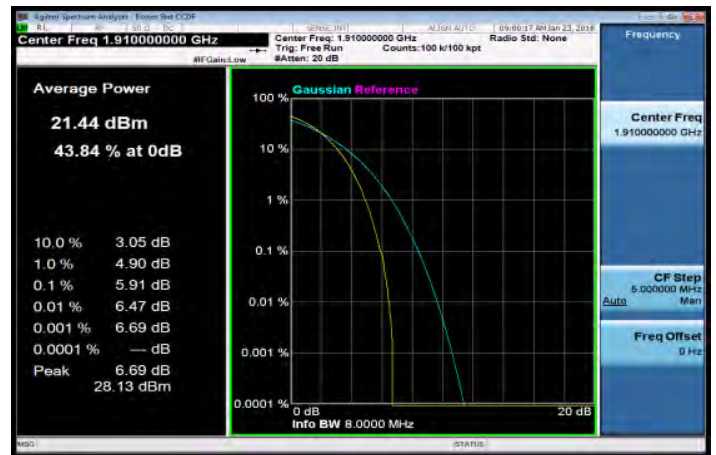
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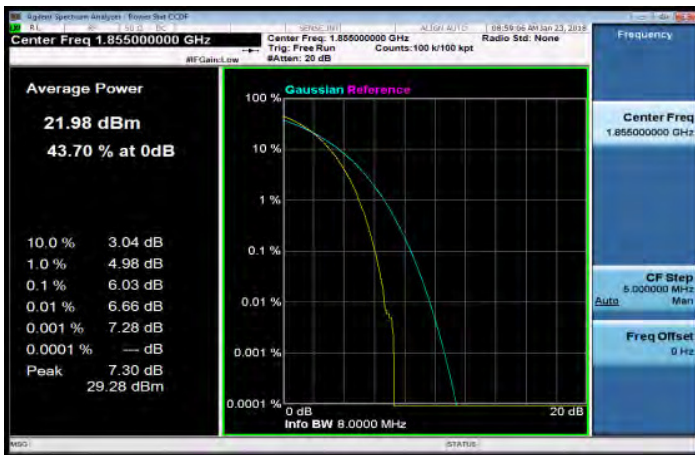
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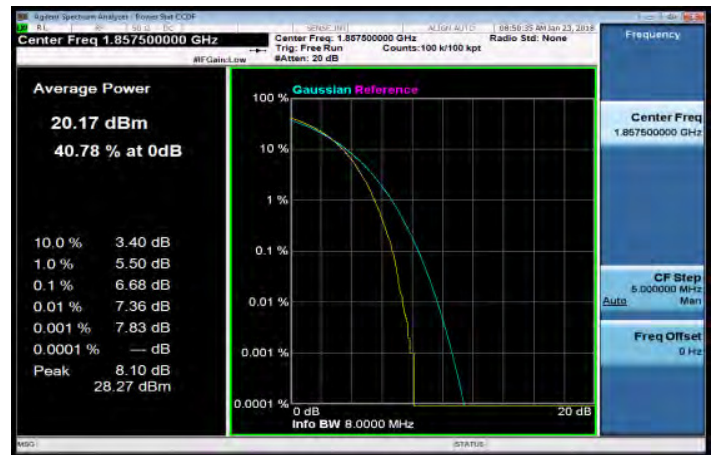
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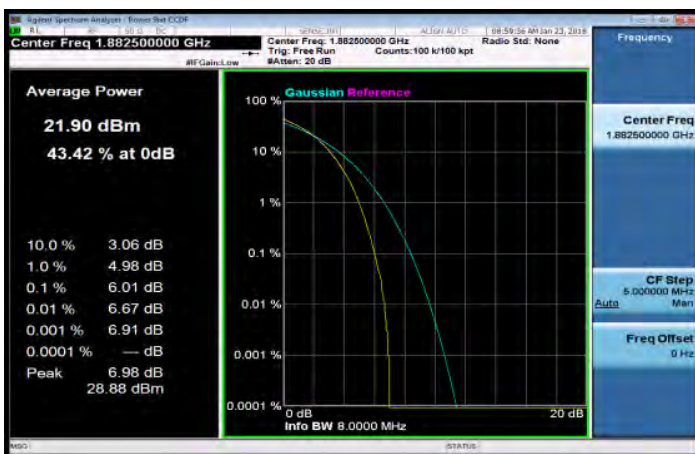
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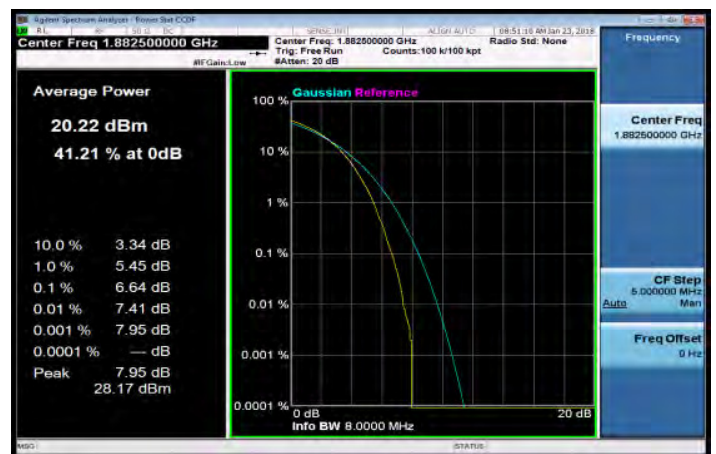
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LTE_Band25_10MHz_16QAM_50_0_MidCH26365-1882.5



LTE_Band25_15MHz_16QAM_75_0_MidCH26365-1882.5



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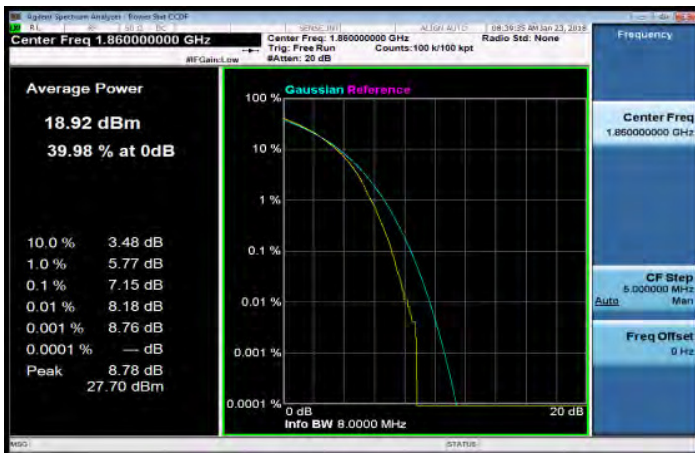
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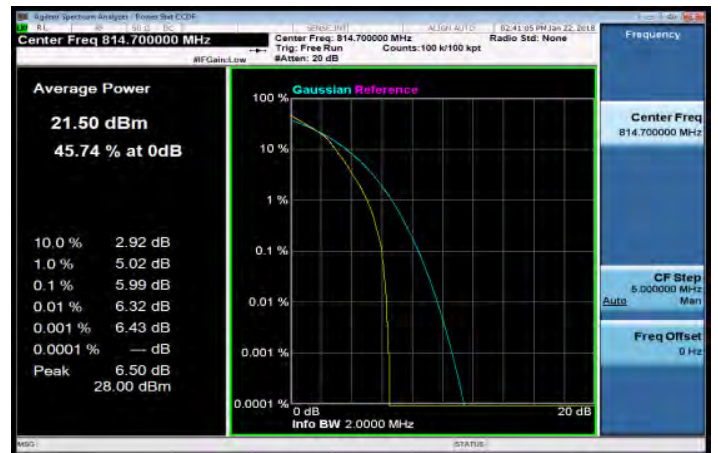
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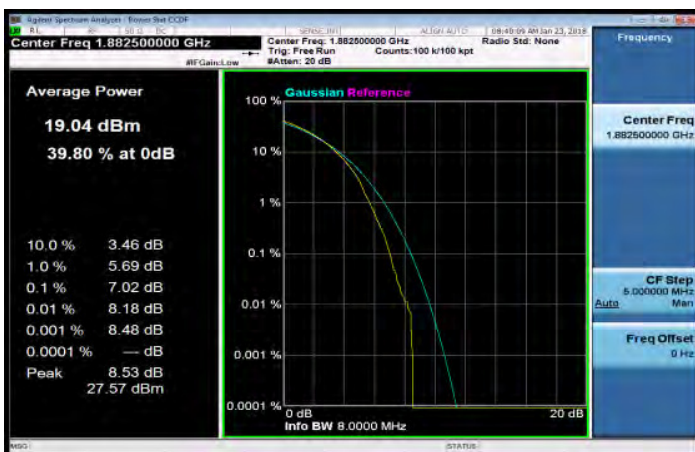
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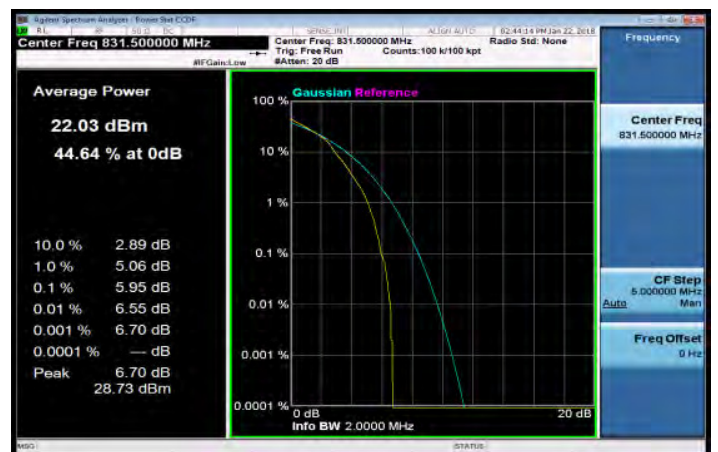
LTE_Band26_1_4MHz_16QAM_6_0_LowCH26697



LTE_Band25_20MHz_16QAM_100_0_MidCH26365-1882.5



LTE_Band26_1_4MHz_16QAM_6_0_MidCH26865



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LTE_Band26_1_4MHz_16QAM_6_0_HighCH27033



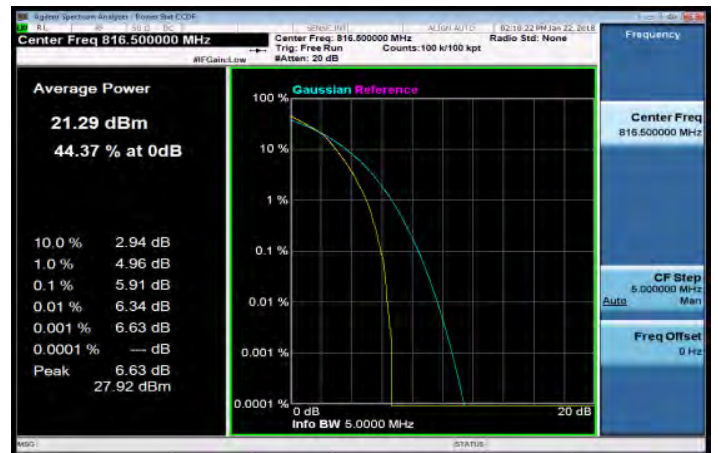
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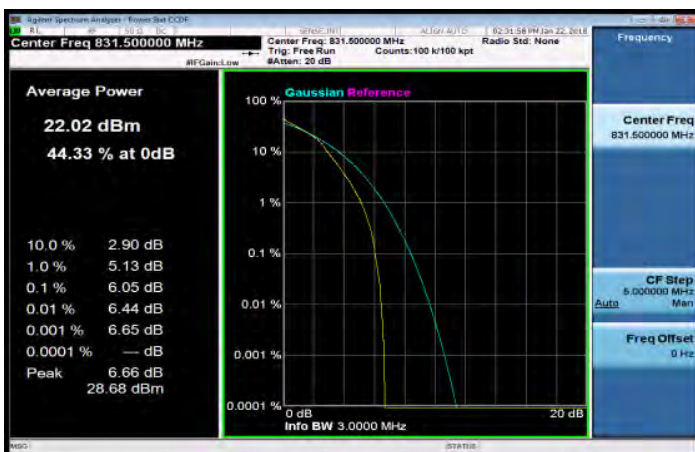
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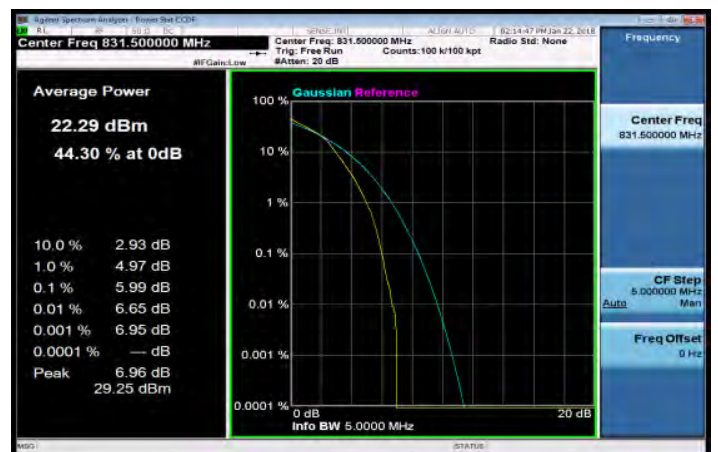
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LTE_Band26_3MHz_16QAM_15_0_MidCH26865



LTE_Band26_5MHz_16QAM_25_0_MidCH26865



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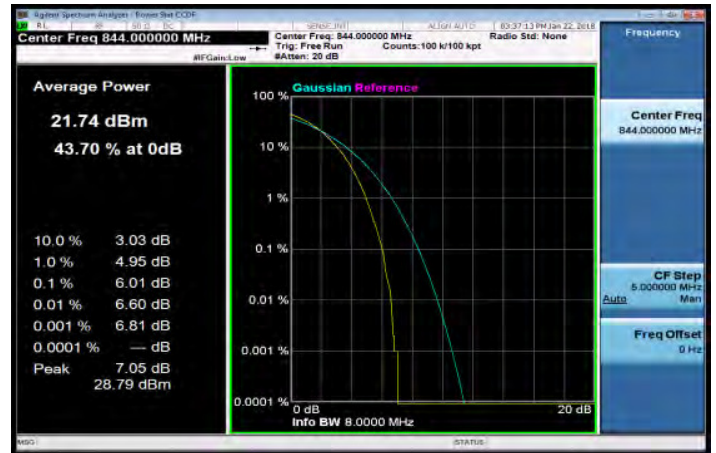
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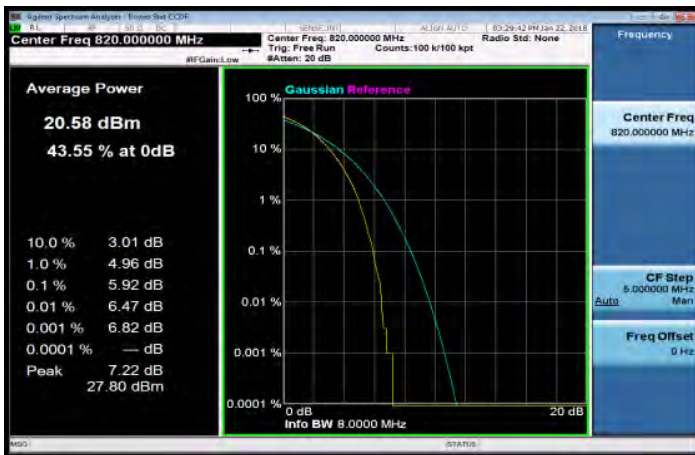
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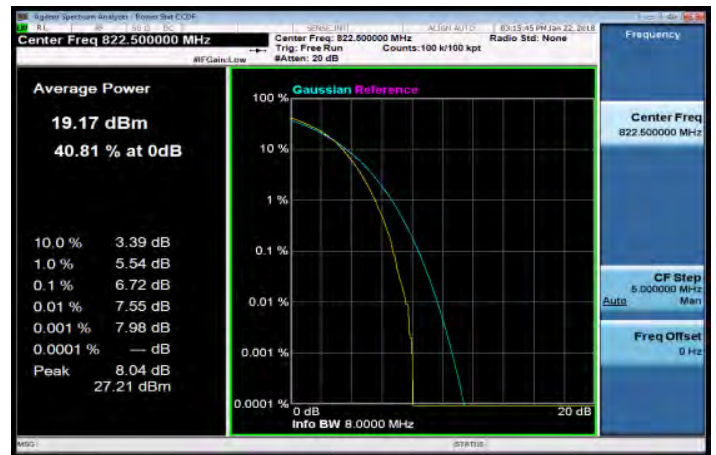
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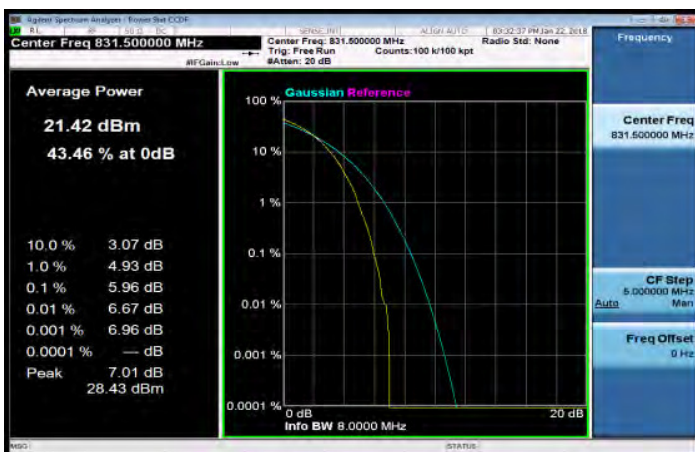
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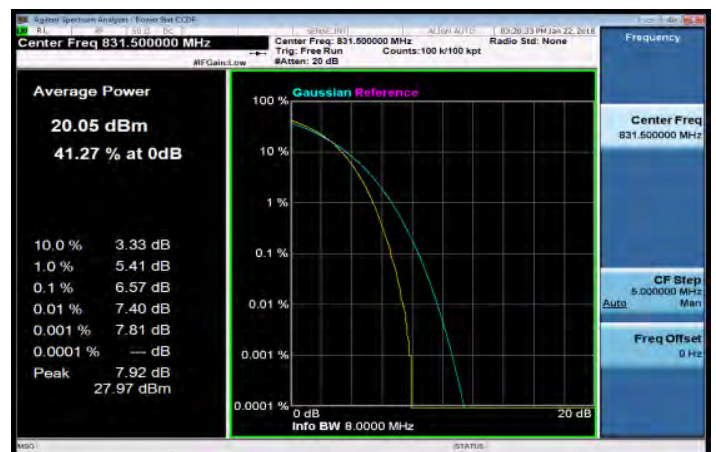
LTE_Band26_15MHz_16QAM_75_0_LowCH26775



LTE_Band26_10MHz_16QAM_50_0_MidCH26865



LTE_Band26_15MHz_16QAM_75_0_MidCH26865

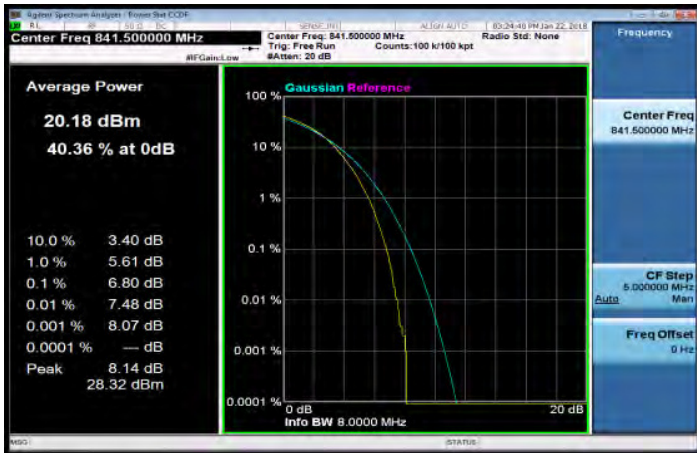


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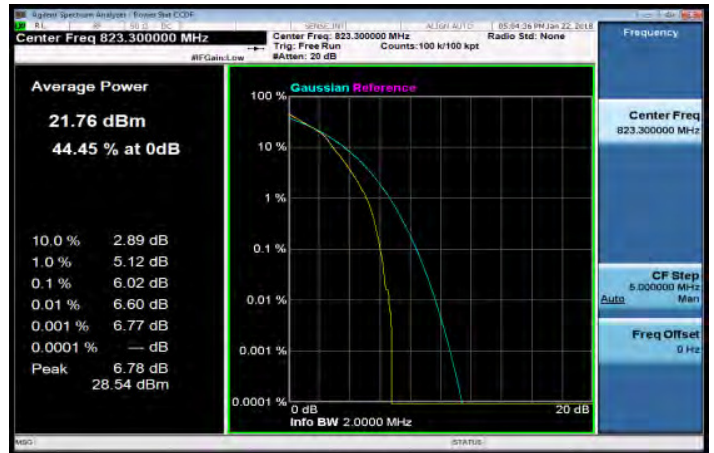
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LTE_Band26_15MHz_16QAM_75_0_HighCH26965



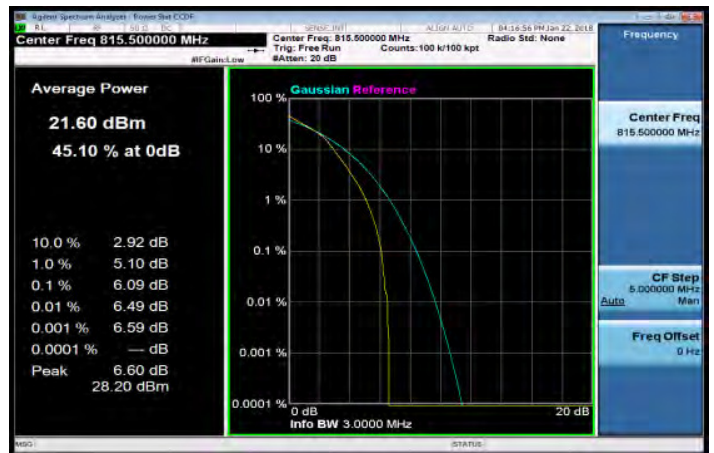
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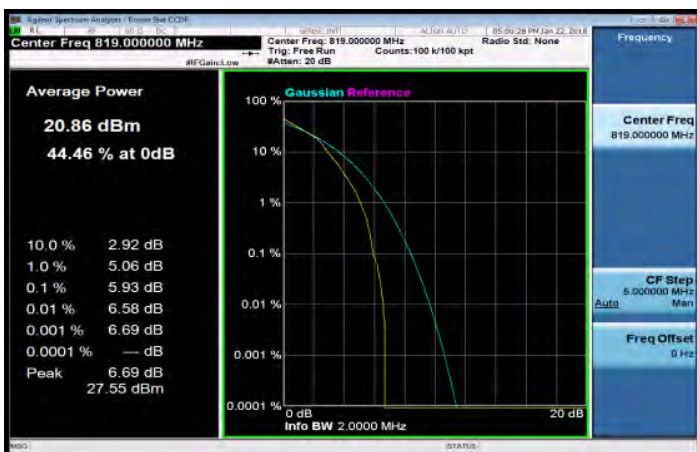
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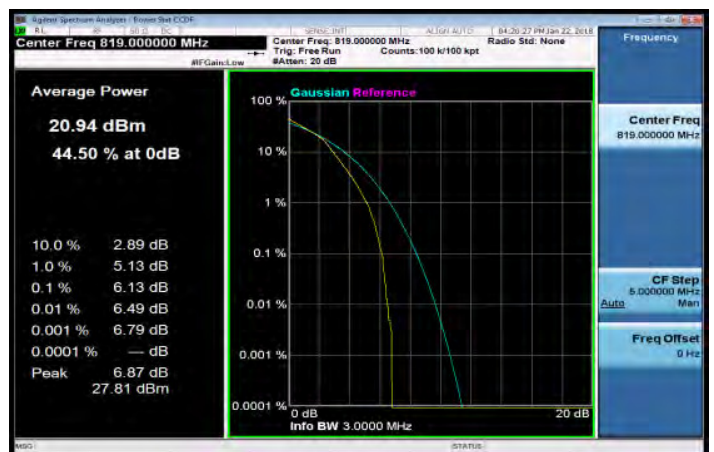
Part 90_LTE_Band26_3MHz_16QAM_15_0_LowCH26705



Part 90_LTE_Band26_1_4MHz_16QAM_6_0_MidCH26740



Part 90_LTE_Band26_3MHz_16QAM_15_0_MidCH26740

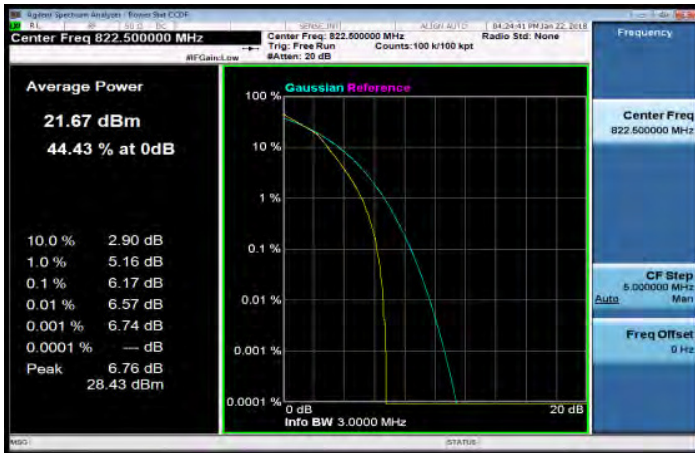


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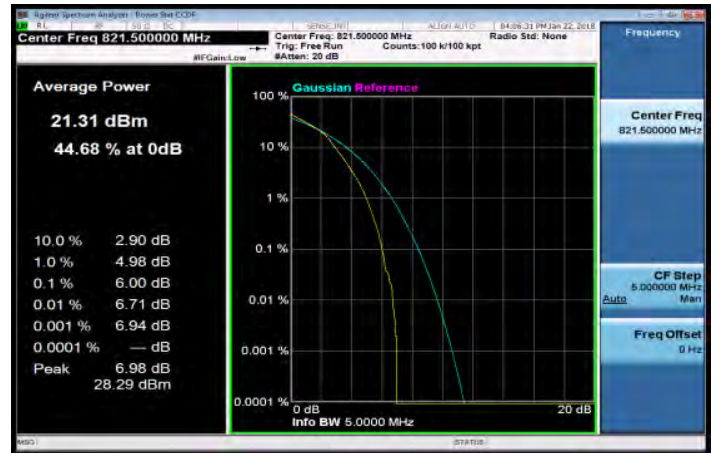
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Part 90_LTE_Band26_3MHz_16QAM_15_0_HighCH26775



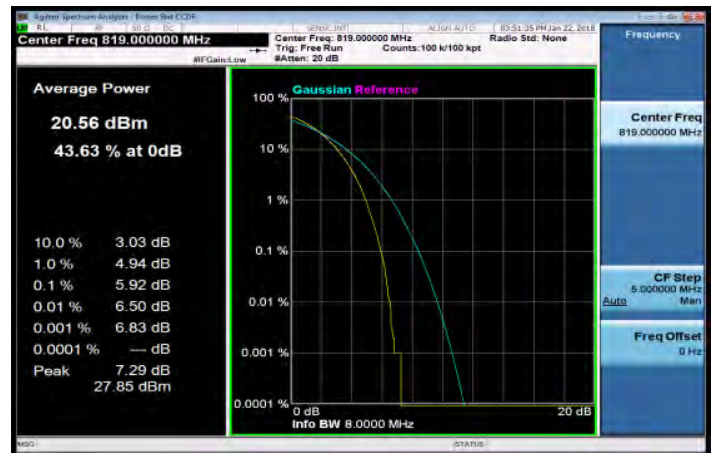
Part 90_LTE_Band26_5MHz_16QAM_25_0_HighCH26765



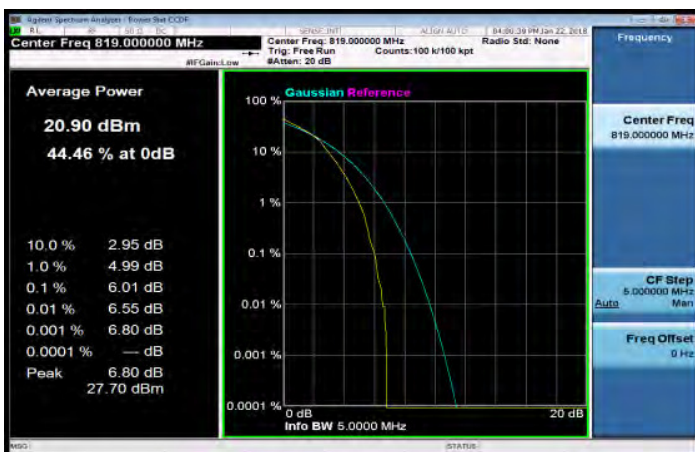
Part 90_LTE_Band26_5MHz_16QAM_25_0_LowCH26715



Part 90_LTE_Band26_10MHz_16QAM_50_0_MidCH26740



Part 90_LTE_Band26_5MHz_16QAM_25_0_MidCH26740



LTE_Band30_5MHz_16QAM_25_0_LowCH27685



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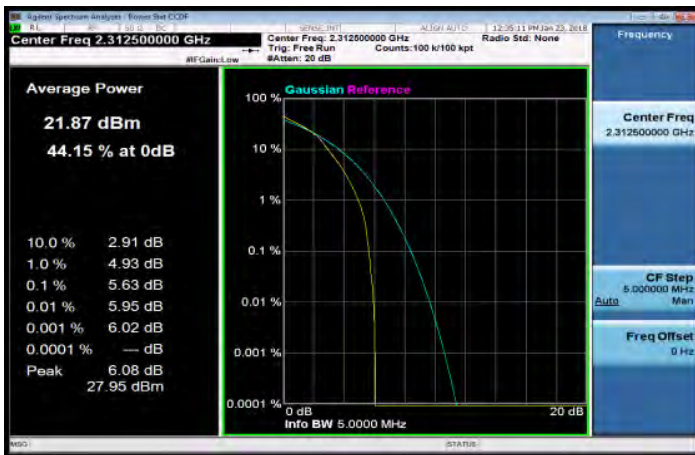
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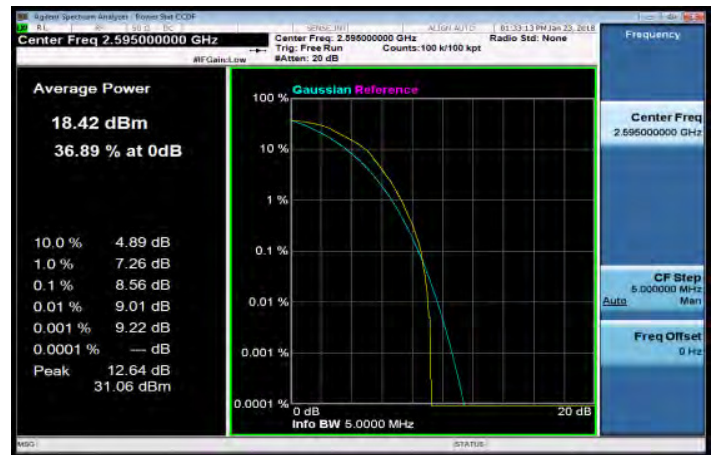
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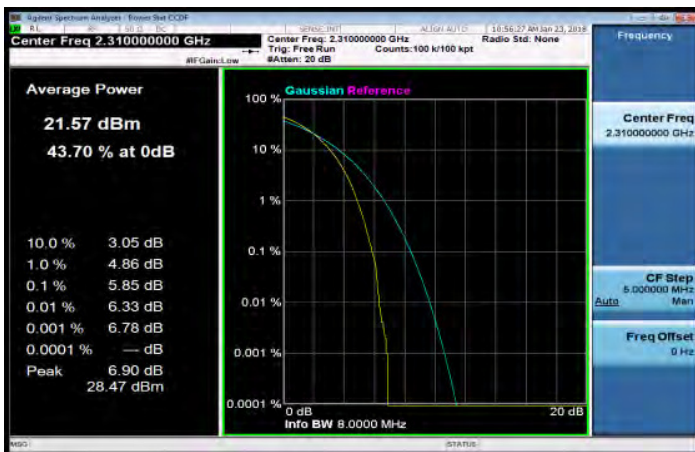
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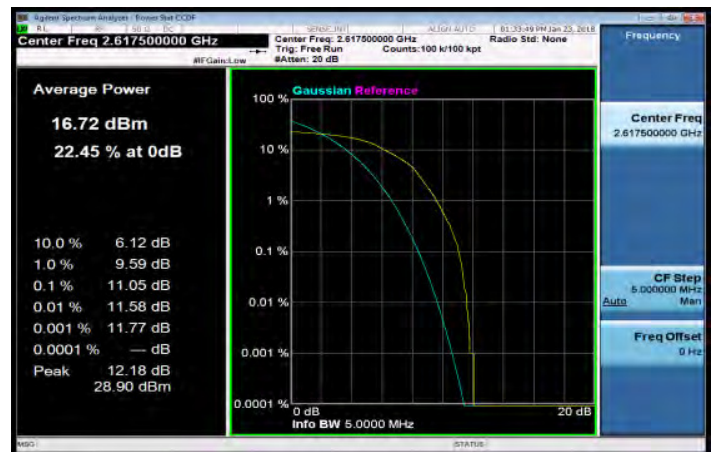
LTE_Band38_5MHz_16QAM_25_0_MidCH38000-2595



LTE_Band30_10MHz_16QAM_50_0_MidCH27710



LTE_Band38_5MHz_16QAM_25_0_HighCH38225-2617.5



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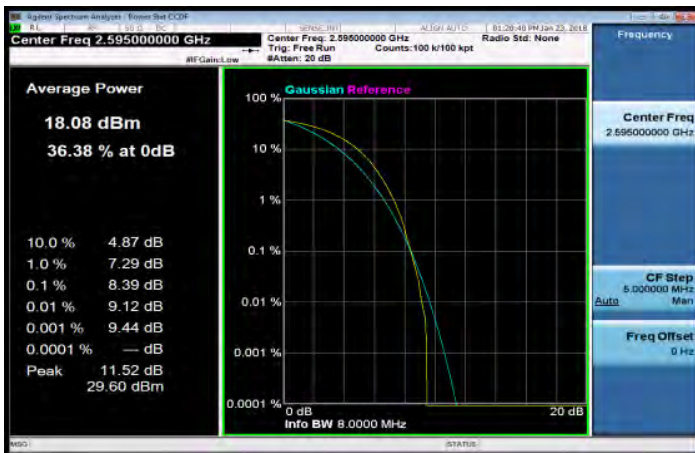
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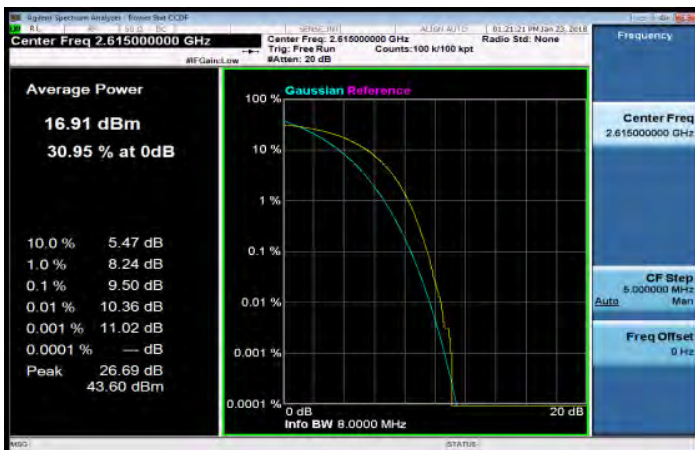
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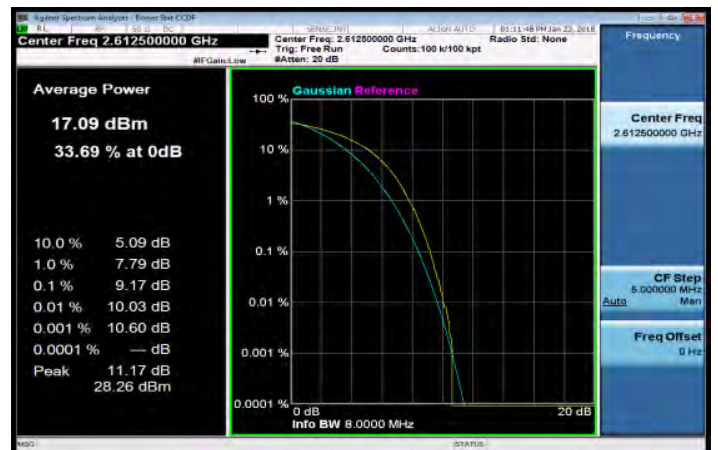
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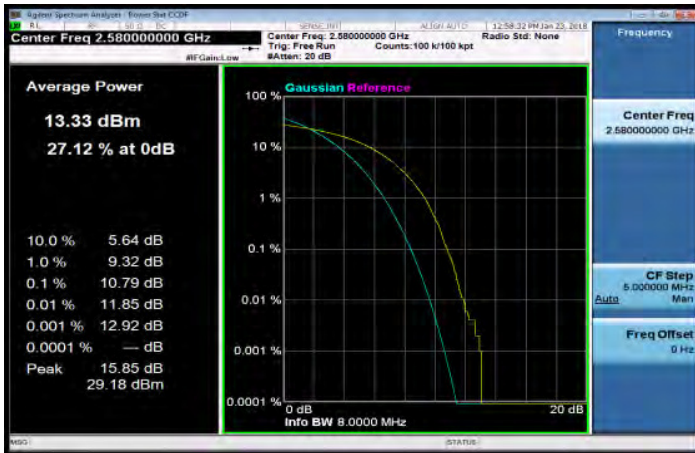


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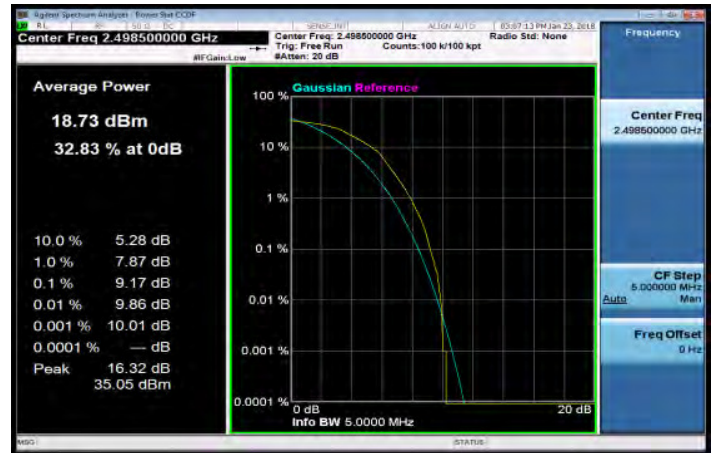
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LTE_Band41_5MHz_16QAM_25_0_LowCH39675



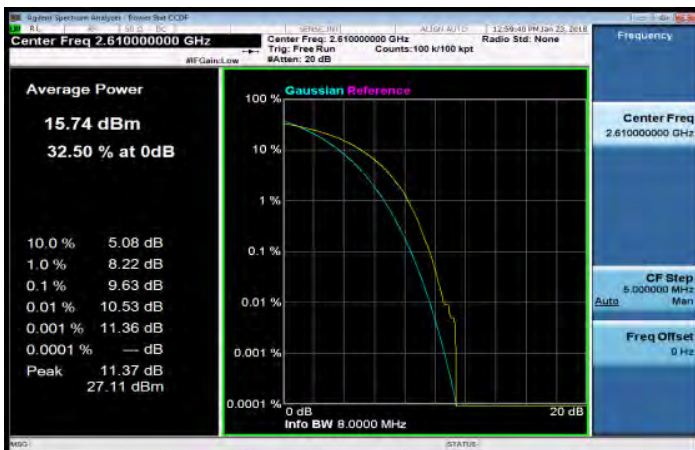
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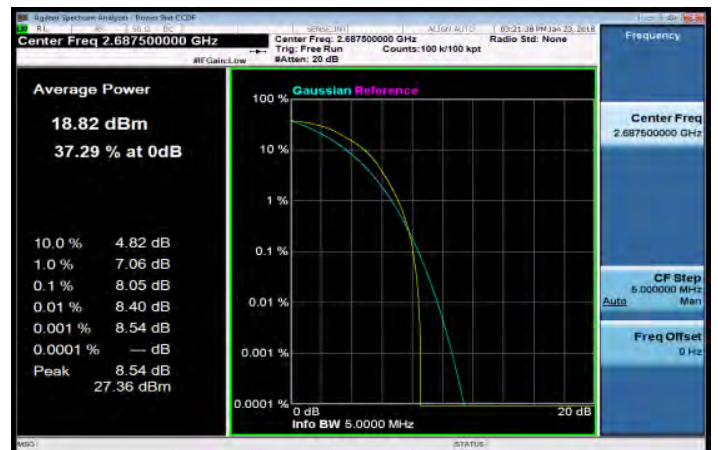
LTE_Band41_5MHz_16QAM_25_0_MidCH40620



LTE_Band38_20MHz_16QAM_100_0_HighCH38150-2610



LTE_Band41_5MHz_16QAM_25_0_HighCH41565



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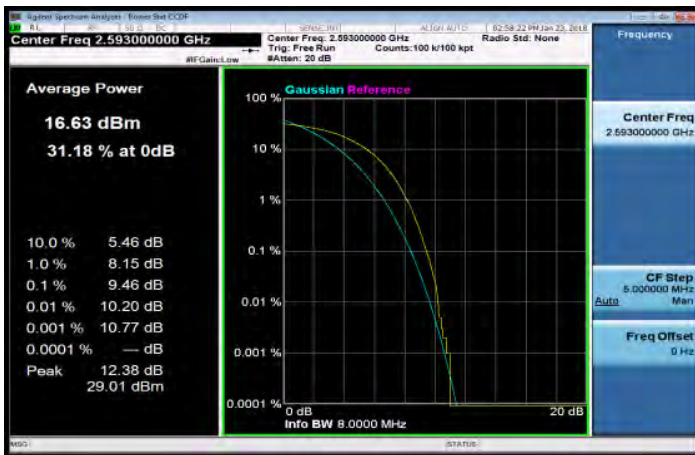
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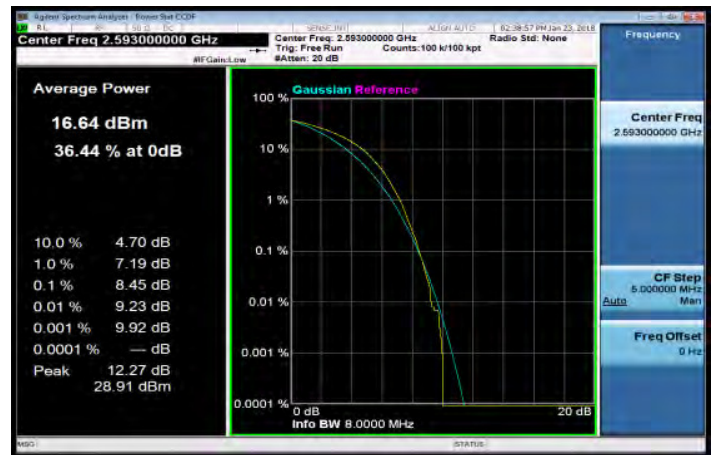
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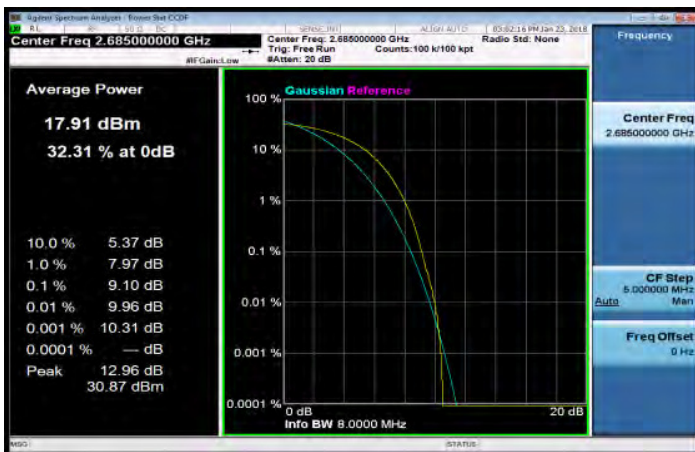
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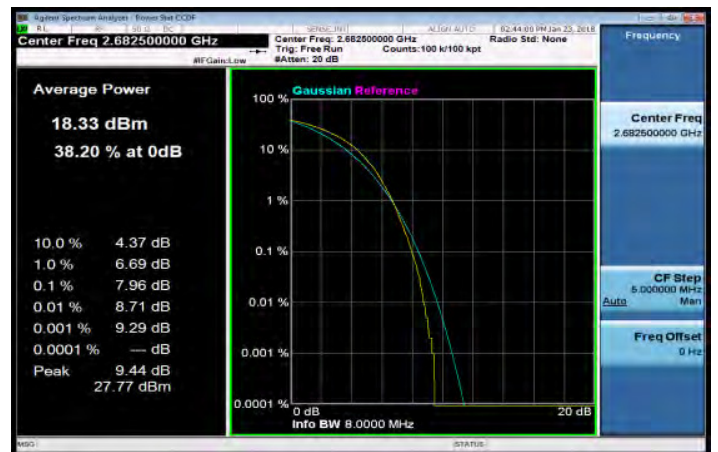
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LTE_Band41_10MHz_16QAM_50_0_HighCH41540



LTE_Band41_15MHz_16QAM_75_0_HighCH41515



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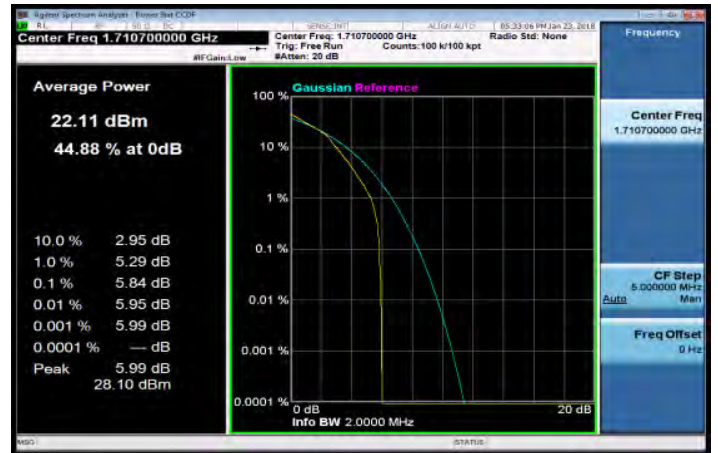
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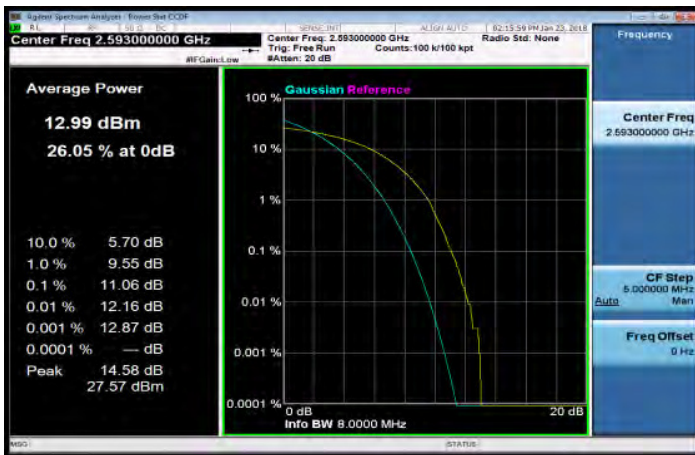
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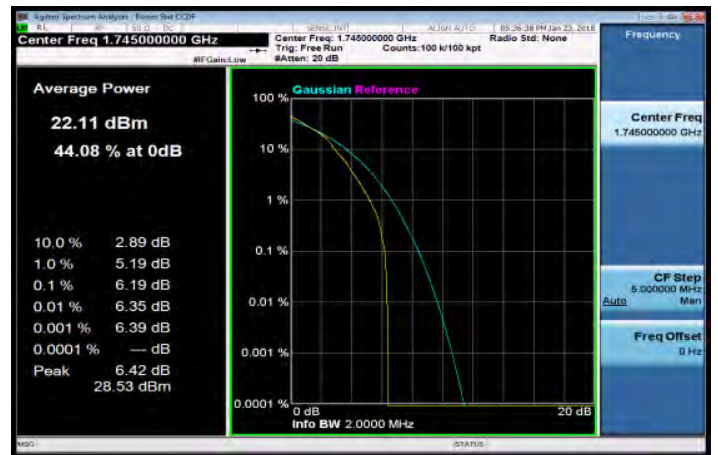
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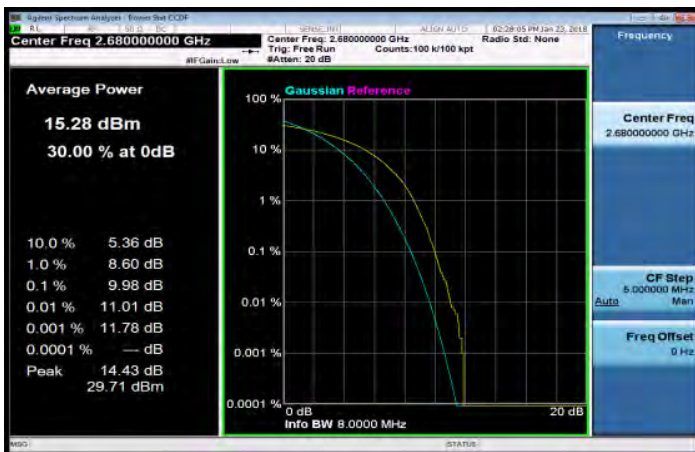
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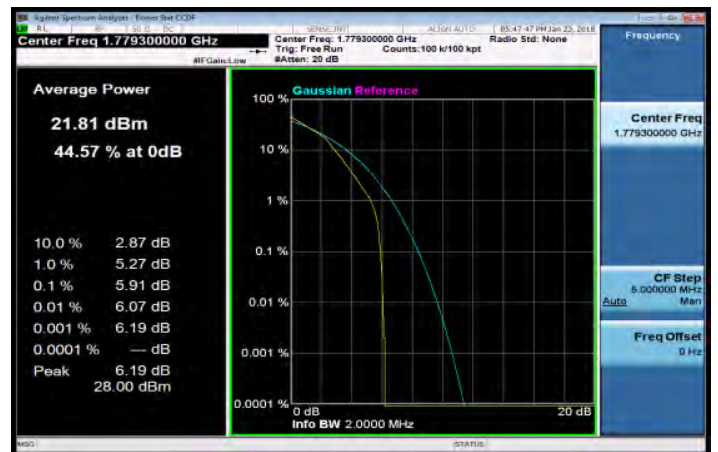
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LTE_Band41_20MHz_16QAM_100_0_HighCH41490



LTE_Band66_1_4MHz_16QAM_6_0_HighCH132665

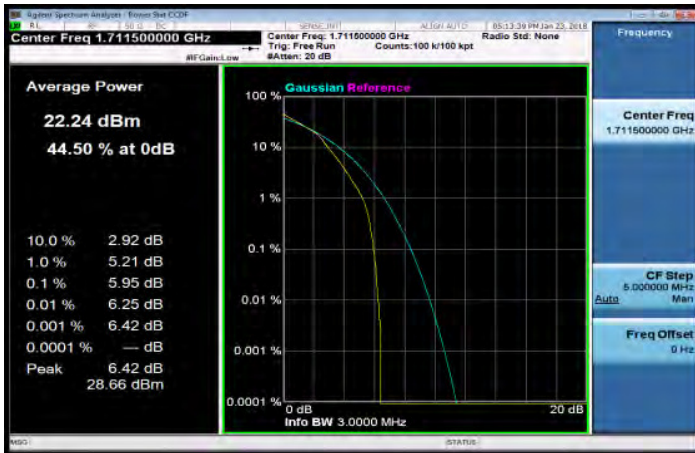


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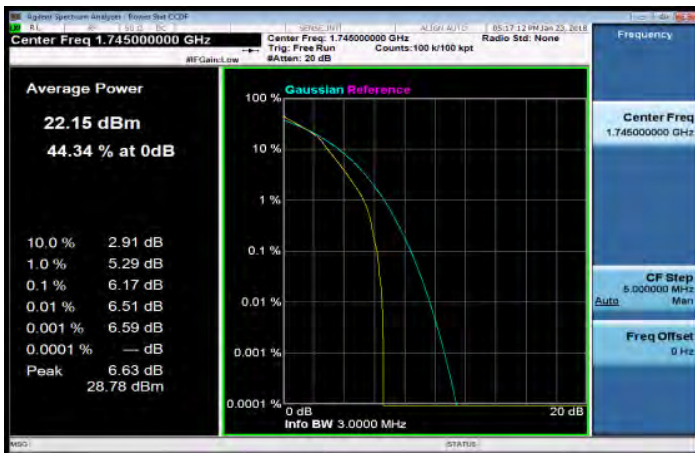
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LTE_Band66_5MHz_16QAM_25_0_LowCH131997



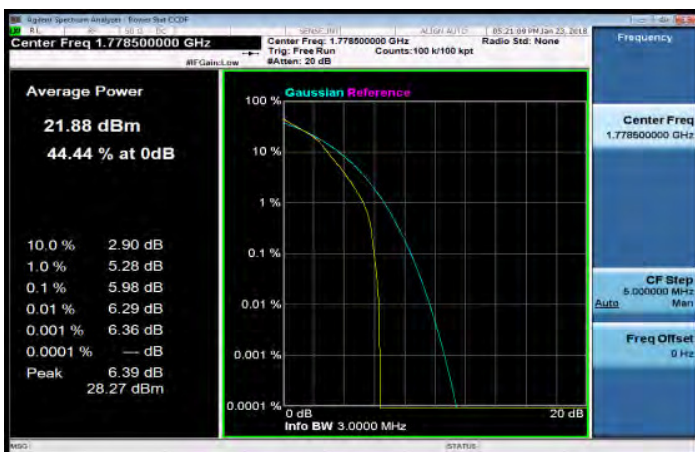
LTE_Band66_3MHz_16QAM_15_0_MidCH132322



LTE_Band66_5MHz_16QAM_25_0_MidCH132322



LTE_Band66_3MHz_16QAM_15_0_HighCH132657



LTE_Band66_5MHz_16QAM_25_0_HighCH132647



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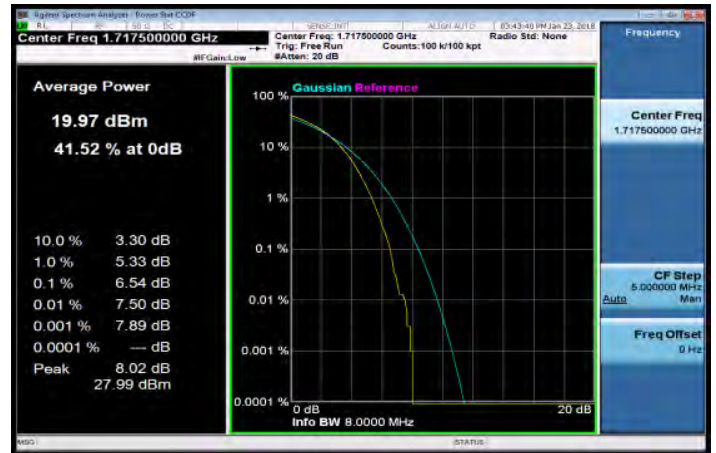
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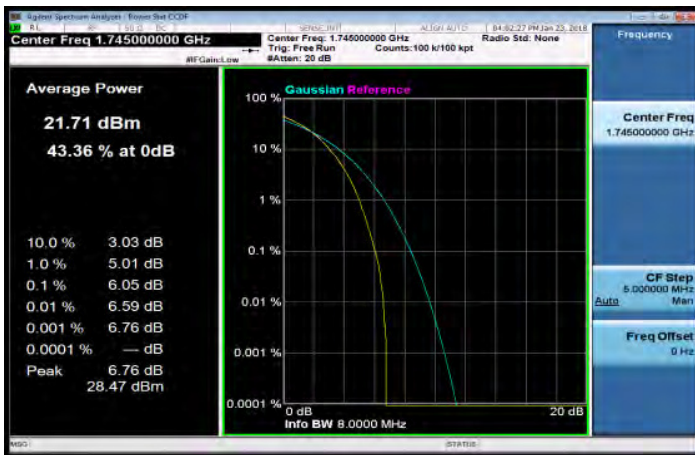
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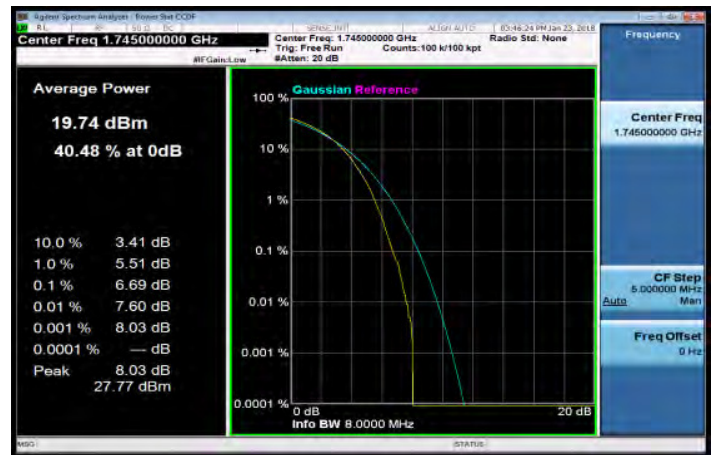
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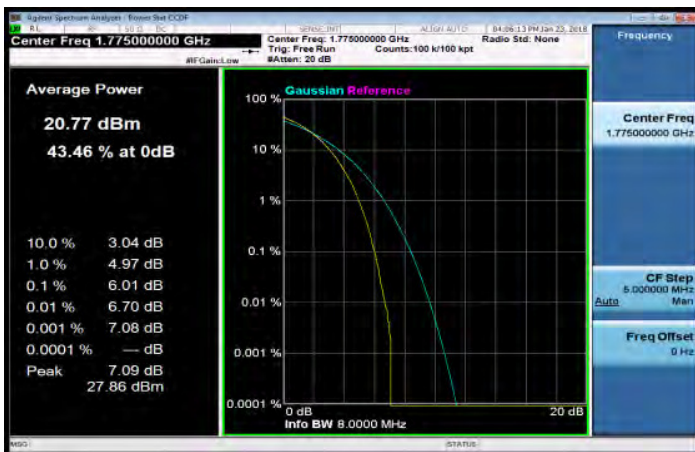
LTE_Band66_10MHz_16QAM_50_0_MidCH132322



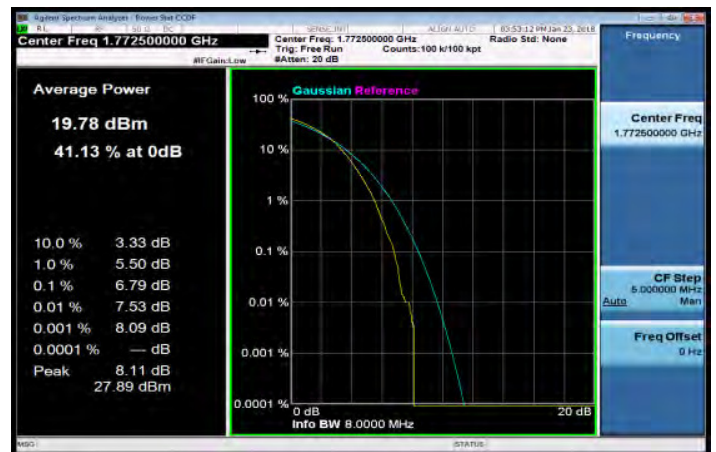
LTE_Band66_15MHz_16QAM_75_0_MidCH132322



LTE_Band66_10MHz_16QAM_50_0_HighCH132622



LTE_Band66_15MHz_16QAM_75_0_HighCH132597



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

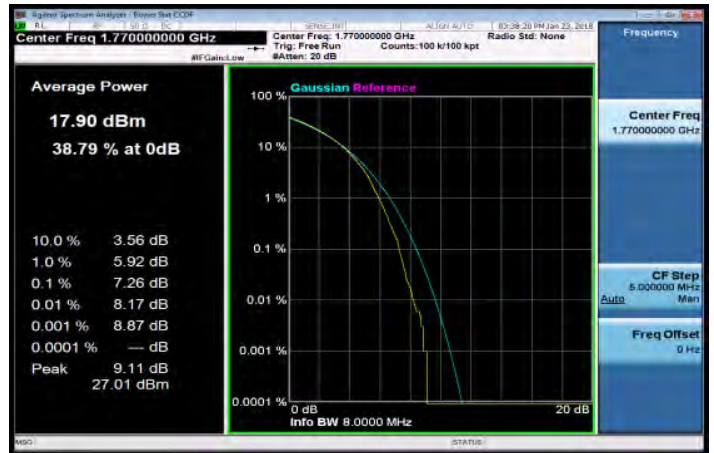
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LTE_Band66_20MHz_16QAM_100_0_LowCH132072



LTE_Band66_20MHz_16QAM_100_0_HighCH132572



LTE_Band66_20MHz_16QAM_100_0_MidCH132322



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