

LTE Band5							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20450 / 829MHz, Bandwidth 10MHz							
1658	H	-58.54	1.05	5.02	-54.57	-13	-41.57
2487	H	-66.44	1.14	5.64	-61.94	-13	-48.94
3316	H	-58.71	1.32	7.12	-52.91	-13	-39.91
1658	V	-60.76	1.05	5.02	-56.79	-13	-43.79
2487	V	-61.49	1.14	5.64	-56.99	-13	-43.99
3316	V	-56.36	1.32	7.12	-50.56	-13	-37.56
QPSK, CH20525 / 836.5MHz, Bandwidth 10MHz							
1673	H	-59.89	1.05	5.02	-55.92	-13	-42.92
2509.5	H	-59.76	1.14	5.64	-55.26	-13	-42.26
3346	H	-60.32	1.32	7.12	-54.52	-13	-41.52
1673	V	-58.23	1.05	5.02	-54.26	-13	-41.26
2509.5	V	-55.46	1.14	5.64	-50.96	-13	-37.96
3346	V	-56.14	1.32	7.12	-50.34	-13	-37.34
QPSK, CH20600 / 844MHz, Bandwidth 10MHz							
1688	H	-57.05	1.05	5.02	-53.08	-13	-40.08
2532	H	-65.87	1.14	5.64	-61.37	-13	-48.37
3376	H	-58.53	1.32	7.12	-52.73	-13	-39.73
1688	V	-60.83	1.05	5.02	-56.86	-13	-43.86
2532	V	-62.52	1.14	5.64	-58.02	-13	-45.02
3376	V	-56.69	1.32	7.12	-50.89	-13	-37.89

Note:

- Spurious emissions within 30-1000MHz & Other harmonic were found more than 20dB below limit line.
- $EIRP \text{ or } ERP \text{ (dBm)} = SG \text{ Reading (dBm)} - Cable \text{ Loss (dB)} + Substitute \text{ Antenna Gain (dBi)}$

LTE Band12							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH23060 / 704MHz, Bandwidth 10MHz							
1408	H	-55.49	1.02	4.75	-51.76	-13	-38.76
2112	H	-62.04	1.16	4.74	-58.46	-13	-45.46
2816	H	-58.14	1.27	6.44	-52.97	-13	-39.97
1408	V	-50.96	1.02	4.75	-47.23	-13	-34.23
2112	V	-55.79	1.16	4.74	-52.21	-13	-39.21
2816	V	-51.93	1.27	6.44	-46.76	-13	-33.76
QPSK, CH23095 / 707.5MHz, Bandwidth 10MHz							
1415	H	-46.95	1.02	4.75	-43.22	-13	-30.22
2122.5	H	-57.95	1.16	4.74	-54.37	-13	-41.37
2830	H	-61.81	1.27	6.44	-56.64	-13	-43.64
1415	V	-47.79	1.02	4.75	-44.06	-13	-31.06
2122.5	V	-53.20	1.16	4.74	-49.62	-13	-36.62
2830	V	-57.20	1.27	6.44	-52.03	-13	-39.03
QPSK, CH23130 / 711MHz, Bandwidth 10MHz							
1422	H	-48.00	1.02	4.75	-44.27	-13	-31.27
2133	H	-63.75	1.16	4.74	-60.17	-13	-47.17
2844	H	-58.50	1.27	6.44	-53.33	-13	-40.33
1422	V	-48.80	1.02	4.75	-45.07	-13	-32.07
2133	V	-57.70	1.16	4.74	-54.12	-13	-41.12
2844	V	-55.80	1.27	6.44	-50.63	-13	-37.63

Note:

- Spurious emissions within 30-1000MHz & Other harmonic were found more than 20dB below limit line.
- $EIRP \text{ or } ERP \text{ (dBm)} = SG \text{ Reading (dBm)} - Cable \text{ Loss (dB)} + Substitute \text{ Antenna Gain (dBi)}$

LTE Band17							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH23780 / 709MHz, Bandwidth 10MHz							
1418	H	-48.93	1.01	4.91	-45.03	-13	-32.03
2127	H	-59.75	1.16	4.79	-56.12	-13	-43.12
2836	H	-60.76	1.27	6.47	-55.56	-13	-42.56
1418	V	-47.70	1.01	4.91	-43.80	-13	-30.80
2127	V	-55.74	1.16	4.79	-52.11	-13	-39.11
2836	V	-57.72	1.27	6.47	-52.52	-13	-39.52
QPSK, CH23790 / 710MHz, Bandwidth 10MHz							
1420	H	-47.83	1.01	4.91	-43.93	-13	-30.93
2130	H	-61.02	1.16	4.79	-57.39	-13	-44.39
2840	H	-60.71	1.27	6.47	-55.51	-13	-42.51
1420	V	-49.29	1.01	4.91	-45.39	-13	-32.39
2130	V	-57.16	1.16	4.79	-53.53	-13	-40.53
2840	V	-57.42	1.27	6.47	-52.22	-13	-39.22
QPSK, CH23800 / 711MHz, Bandwidth 10MHz							
1422	H	-50.14	1.01	4.91	-46.24	-13	-33.24
2133	H	-62.34	1.16	4.79	-58.71	-13	-45.71
2844	H	-59.23	1.27	6.47	-54.03	-13	-41.03
1422	V	-49.61	1.01	4.91	-45.71	-13	-32.71
2133	V	-59.99	1.16	4.79	-56.36	-13	-43.36
2844	V	-56.85	1.27	6.47	-51.65	-13	-38.65

Note:

- Spurious emissions within 30-1000MHz & Other harmonic were found more than 20dB below limit line.
- $EIRP \text{ or } ERP \text{ (dBm)} = SG \text{ Reading (dBm)} - Cable \text{ Loss (dB)} + Substitute \text{ Antenna Gain (dBi)}$

LTE Band38							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH37850 / 2580MHz, Bandwidth 20MHz							
5160	H	-57.59	1.68	9.87	-49.40	-25	-24.40
7740	H	-51.20	1.78	11.94	-41.04	-25	-16.04
10320	H	-53.78	2.36	12.40	-43.74	-25	-18.74
5160	V	-52.85	1.68	9.87	-44.66	-25	-19.66
7740	V	-56.38	1.78	11.94	-46.22	-25	-21.22
10320	V	-54.74	2.36	12.40	-44.70	-25	-19.70
QPSK, CH38000 / 2595MHz, Bandwidth 20MHz							
5190	H	-53.31	1.68	9.87	-45.12	-25	-20.12
7785	H	-46.38	1.78	11.94	-36.22	-25	-11.22
10380	H	-47.70	2.36	12.40	-37.66	-25	-12.66
5190	V	-55.22	1.68	9.87	-47.03	-25	-22.03
7785	V	-52.54	1.78	11.94	-42.38	-25	-17.38
10380	V	-54.81	2.36	12.40	-44.77	-25	-19.77
QPSK, CH38150 / 2610MHz, Bandwidth 20MHz							
5220	H	-55.34	1.68	9.87	-47.15	-25	-22.15
7830	H	-50.46	1.78	11.94	-40.30	-25	-15.30
10440	H	-49.57	2.36	12.40	-39.53	-25	-14.53
5220	V	-54.08	1.68	9.87	-45.89	-25	-20.89
7830	V	-53.19	1.78	11.94	-43.03	-25	-18.03
10440	V	-52.32	2.36	12.40	-42.28	-25	-17.28

Note:

- Spurious emissions within 30-1000MHz & Other harmonic were found more than 20dB below limit line.
- $EIRP \text{ or } ERP \text{ (dBm)} = SG \text{ Reading (dBm)} - Cable \text{ Loss (dB)} + Substitute \text{ Antenna Gain (dBi)}$

LTE Band41							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH40340 / 2565MHz, Bandwidth 20MHz							
5130	H	-57.25	1.68	9.87	-49.06	-25	-24.06
7695	H	-54.44	1.78	11.94	-44.28	-25	-19.28
10260	H	-52.43	2.36	12.40	-42.39	-25	-17.39
5130	V	-54.75	1.68	9.87	-46.56	-25	-21.56
7695	V	-57.67	1.78	11.94	-47.51	-25	-22.51
10260	V	-58.23	2.36	12.40	-48.19	-25	-23.19
QPSK, CH40740 / 2605MHz, Bandwidth 20MHz							
5210	H	-54.05	1.68	9.87	-45.86	-25	-20.86
7815	H	-50.64	1.78	11.94	-40.48	-25	-15.48
10420	H	-45.24	2.36	12.40	-35.20	-25	-10.20
5210	V	-55.85	1.68	9.87	-47.66	-25	-22.66
7815	V	-53.94	1.78	11.94	-43.78	-25	-18.78
10420	V	-54.85	2.36	12.40	-44.81	-25	-19.81
QPSK, CH41140 / 2645MHz, Bandwidth 20MHz							
5290	H	-52.19	1.68	9.87	-44.00	-25	-19.00
7935	H	-47.13	1.78	11.94	-36.97	-25	-11.97
10580	H	-48.36	2.36	12.40	-38.32	-25	-13.32
5290	V	-52.29	1.68	9.87	-44.10	-25	-19.10
7935	V	-49.37	1.78	11.94	-39.21	-25	-14.21
10580	V	-54.35	2.36	12.40	-44.31	-25	-19.31

Note:

- Spurious emissions within 30-1000MHz & Other harmonic were found more than 20dB below limit line.
- $EIRP \text{ or } ERP \text{ (dBm)} = SG \text{ Reading (dBm)} - Cable \text{ Loss (dB)} + Substitute \text{ Antenna Gain (dBi)}$

7.6. Peak-Average Ratio

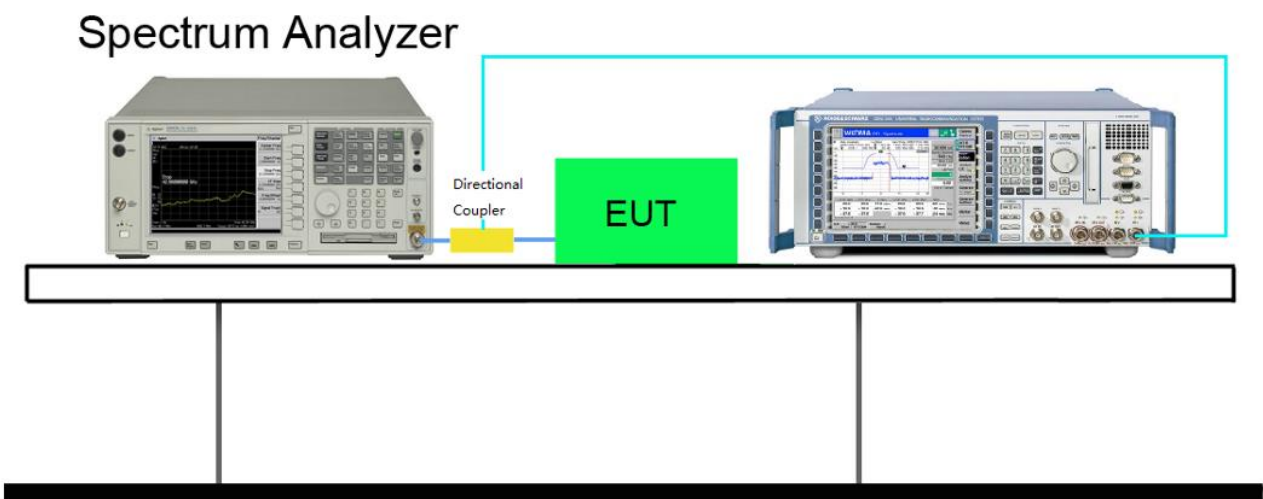
7.6.1 Test Limit

The transmitter's peak-to-average power ratio (PAPR) shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

7.6.2 Test Procedure

KDB 971168 D01v03r01 - Section 5.7 & ANSI/TIA-603-E-2016

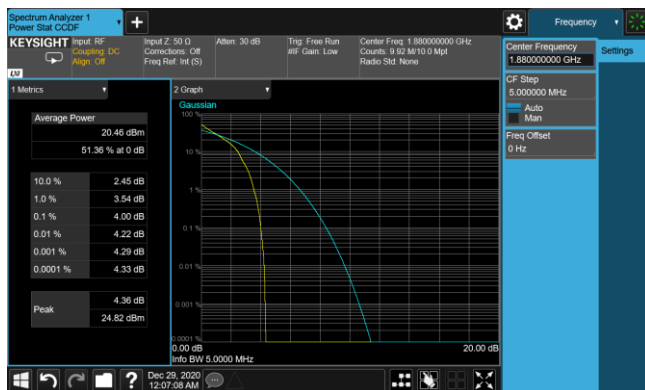
7.6.3 Test Setup



7.6.4 Test Result

Test Mode	Modulation	Channel/ Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 2	QPSK	CH18900/1880MHz	1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass
	16QAM		1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass

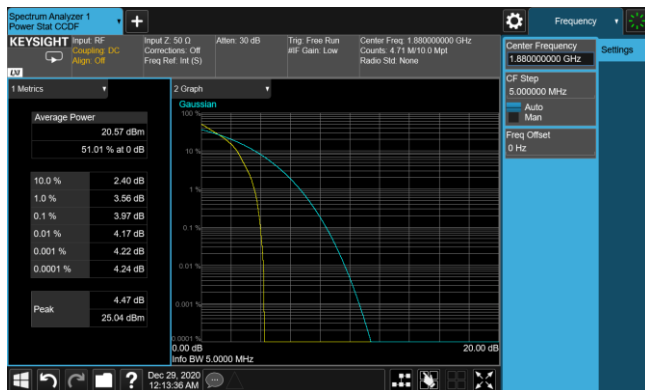
LTE Band 2 QPSK 1.4MHz CH18900 1RB#2



LTE Band 2 QPSK 3MHz CH18900 1RB#7



LTE Band 2 QPSK 5MHz CH18900 1RB#12



LTE Band 2 QPSK 10MHz CH18900 1RB#25



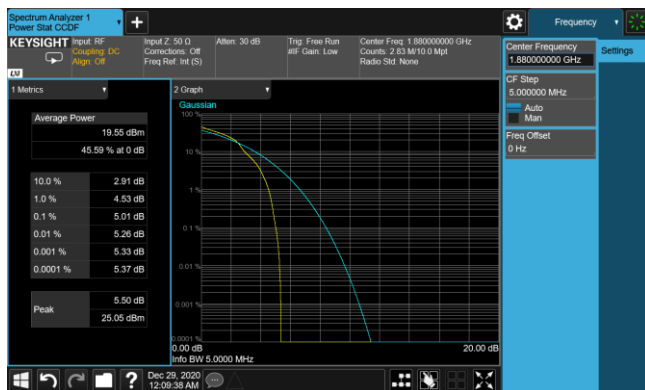
LTE Band 2 QPSK 15MHz CH18900 1RB#36



LTE Band 2 QPSK 20MHz CH18900 1RB#49



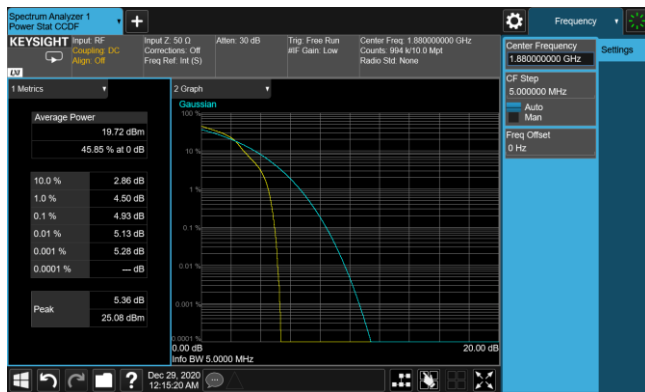
LTE Band 2 16QAM 1.4MHz CH18900 1RB#2



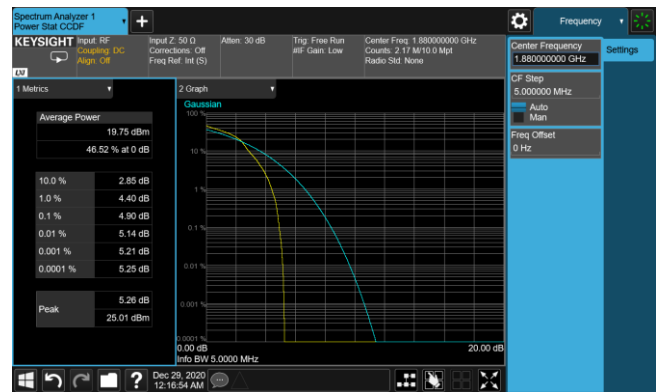
LTE Band 2 16QAM 3MHz CH18900 1RB#7



LTE Band 2 16QAM 5MHz CH18900 1RB#12



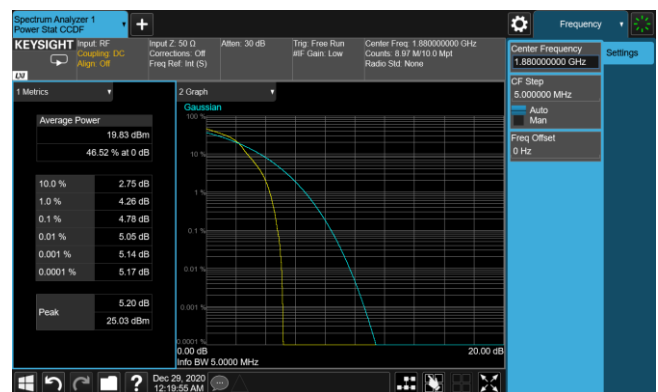
LTE Band 2 16QAM 10MHz CH18900 1RB#25



LTE Band 2 16QAM 15MHz CH18900 1RB#36



LTE Band 2 16QAM 20MHz CH18900 1RB#49

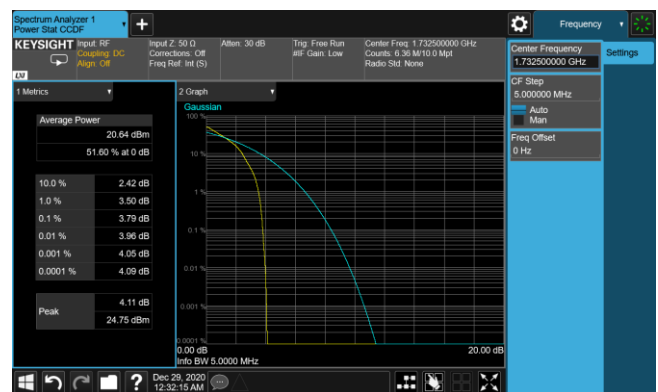


Test Mode	Modulation	Channel/ Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 4	QPSK	CH20175 / 1732.5MHz	1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass
	16QAM		1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass

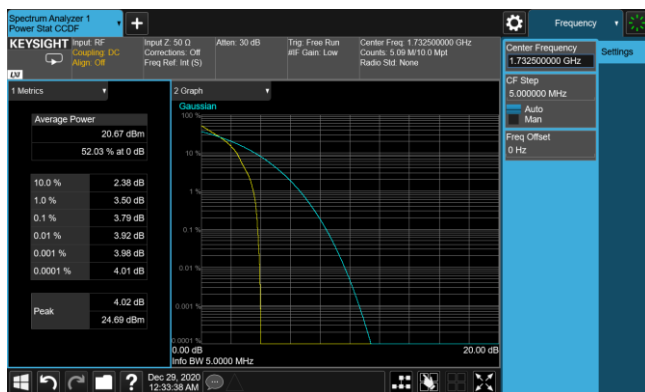
LTE Band 4 QPSK 1.4MHz CH20175 1RB#2



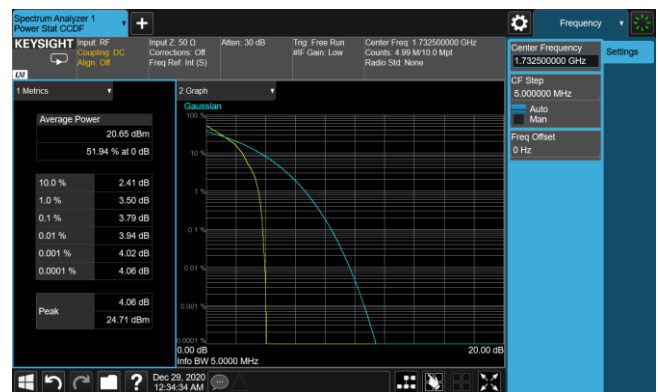
LTE Band 4 QPSK 3MHz CH20175 1RB#7



LTE Band 4 QPSK 5MHz CH20175 1RB#12



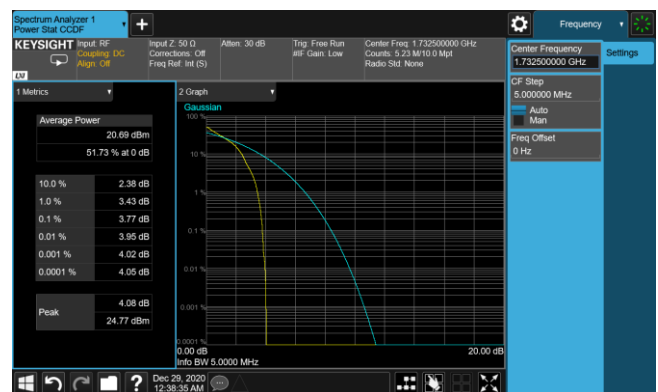
LTE Band 4 QPSK 10MHz CH20175 1RB#25



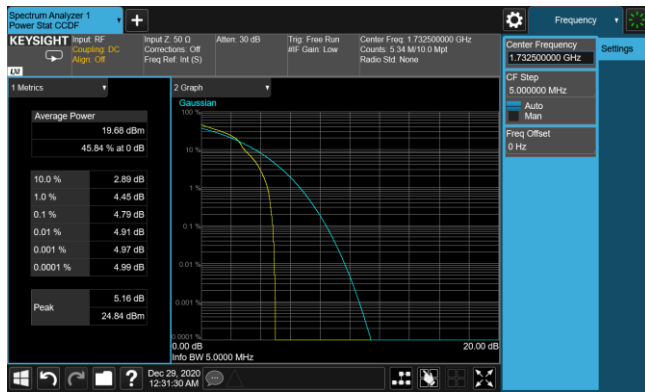
LTE Band 4 QPSK 15MHz CH20175 1RB#36



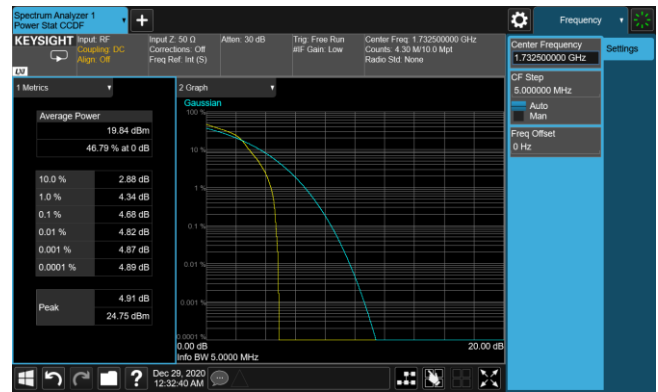
LTE Band 4 QPSK 20MHz CH20175 1RB#49



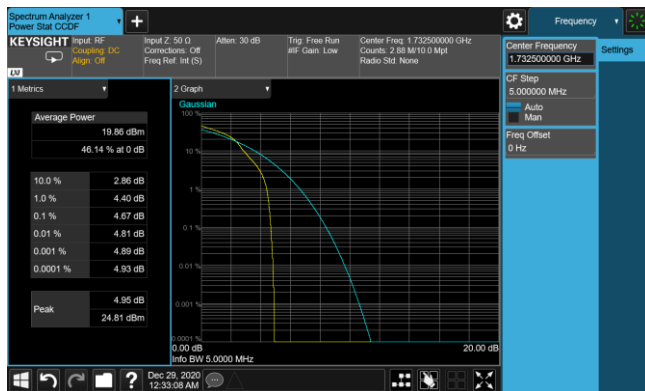
LTE Band 4 16QAM 1.4MHz CH20175 1RB#2



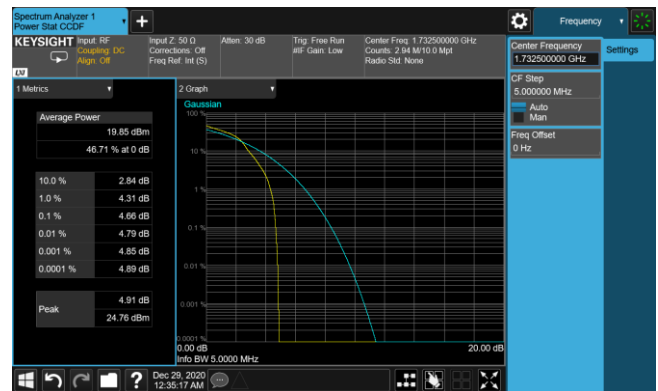
LTE Band 4 16QAM 3MHz CH20175 1RB#7



LTE Band 4 16QAM 5MHz CH20175 1RB#12



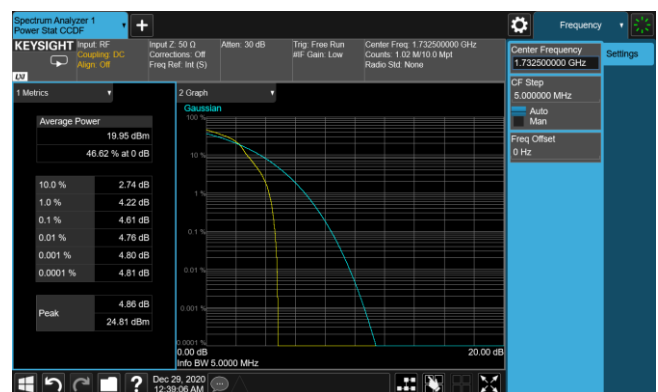
LTE Band 4 16QAM 10MHz CH20175 1RB#25



LTE Band 4 16QAM 15MHz CH20175 1RB#36

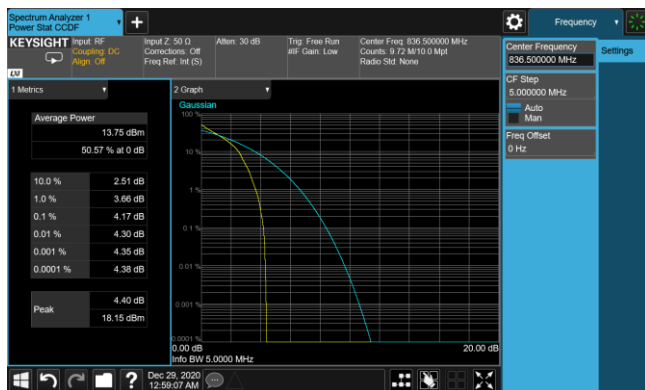


LTE Band 4 16QAM 20MHz CH20175 1RB#49

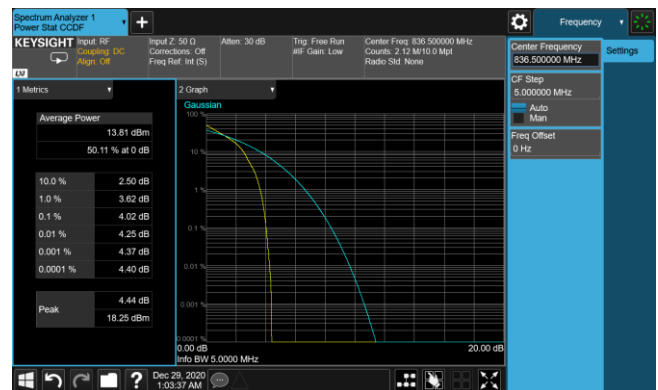


Test Mode	Modulation	Channel/ Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 5	QPSK	CH20525 / 836.5MHz	1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass
	16QAM		1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass

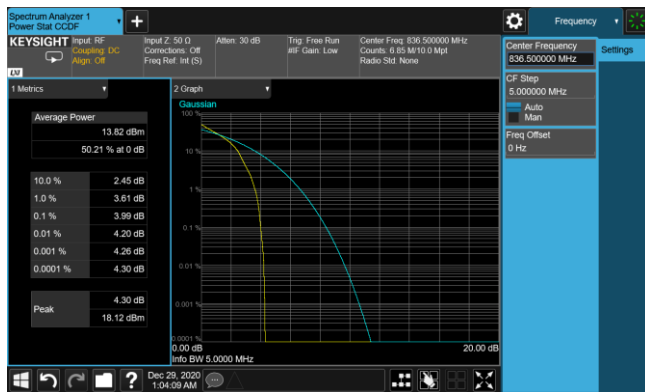
LTE Band 5 QPSK 1.4MHz CH20525 1RB#2



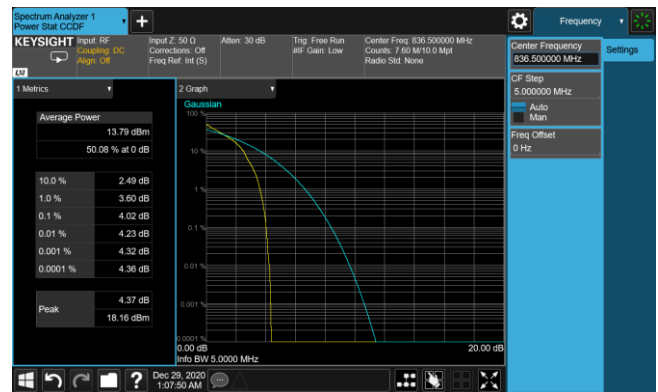
LTE Band 5 QPSK 3MHz CH20525 1RB#7



LTE Band 5 QPSK 5MHz CH20525 1RB#12



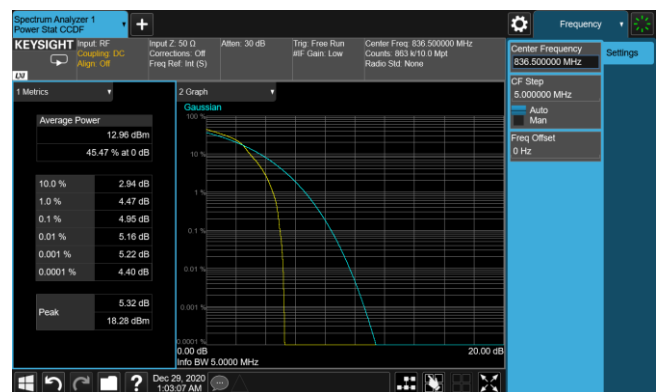
LTE Band 5 QPSK 10MHz CH20525 1RB#25



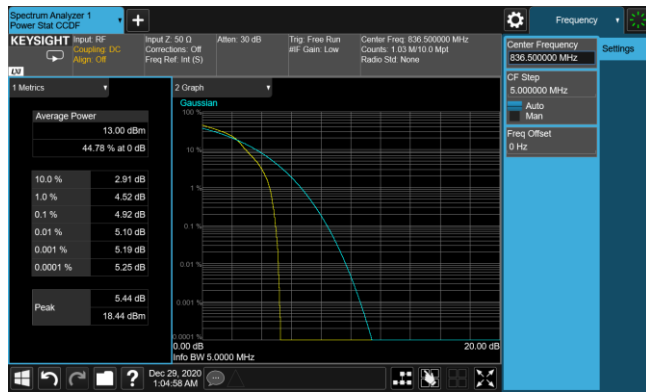
LTE Band 5 16QAM 1.4MHz CH20525 1RB#2



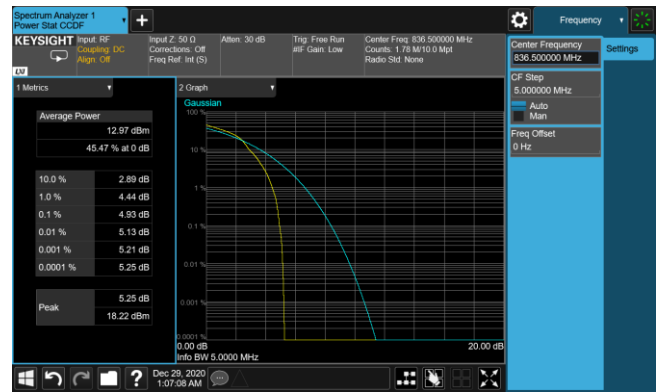
LTE Band 5 16QAM 3MHz CH20525 1RB#7



LTE Band 5 16QAM 5MHz CH20525 1RB#12

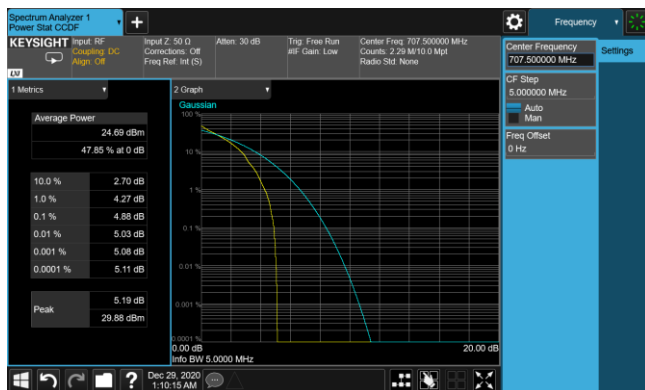


LTE Band 5 16QAM 10MHz CH20525 1RB#25

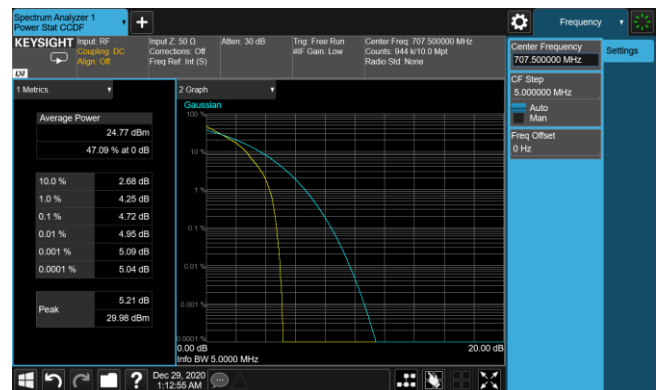


Test Mode	Modulation	Channel/ Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 12	QPSK	CH23095 / 707.5MHz	1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass
	16QAM		1.4	1	2	Pass
			3	1	7	Pass
			5	1	12	Pass
			10	1	25	Pass

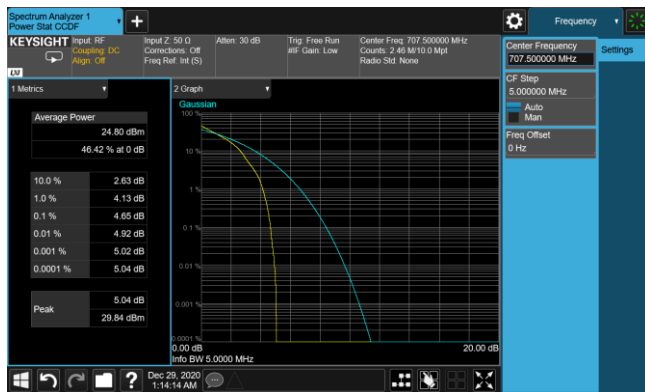
LTE Band 12 QPSK 1.4MHz CH23095 1RB#2



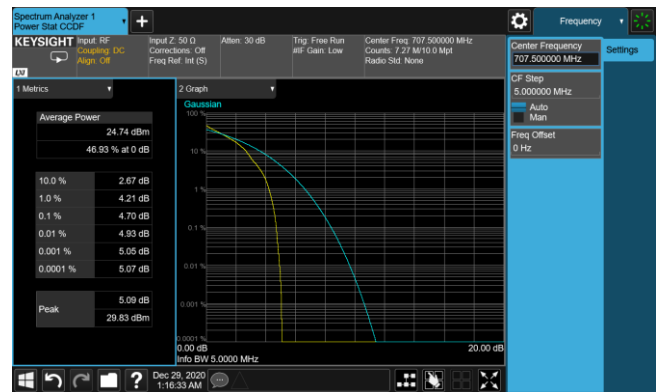
LTE Band 12 QPSK 3MHz CH23095 1RB#7



LTE Band 12 QPSK 5MHz CH23095 1RB#12



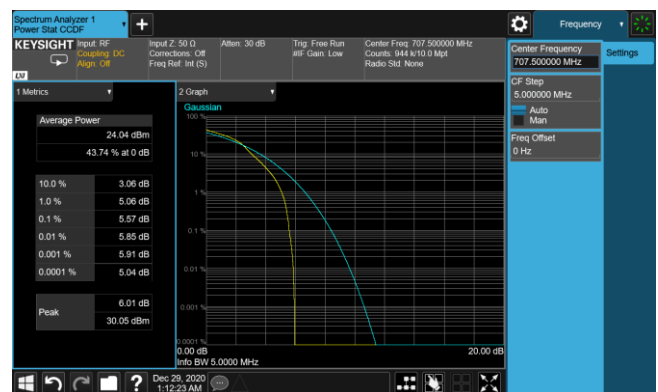
LTE Band 12 QPSK 10MHz CH23095 1RB#25



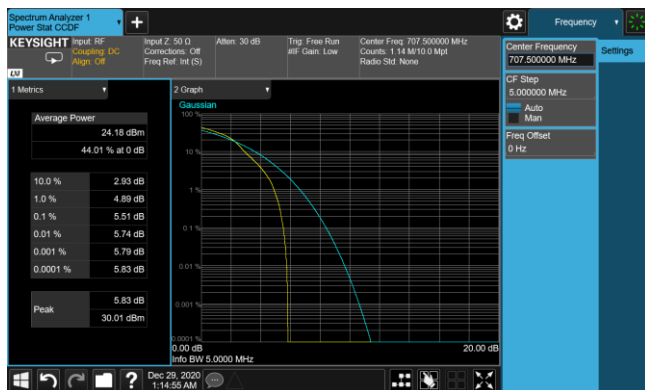
LTE Band 12 16QAM 1.4MHz CH23095 1RB#2



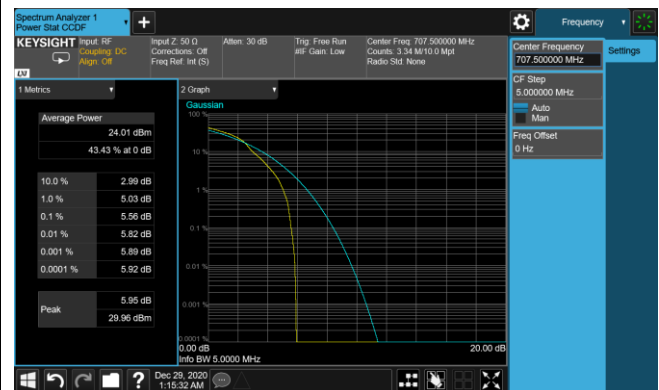
LTE Band 12 16QAM 3MHz CH23095 1RB#7



LTE Band 12 16QAM 5MHz CH23095 1RB#12

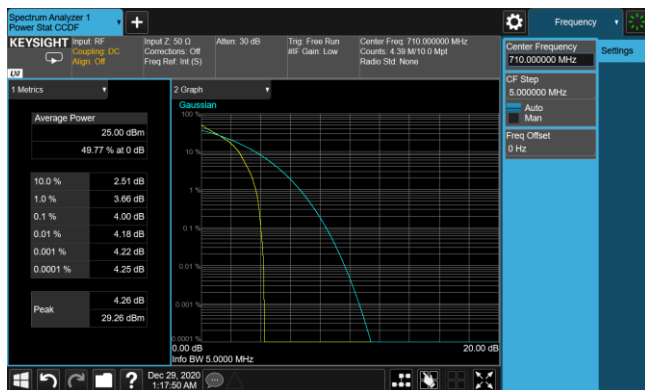


LTE Band 12 16QAM 10MHz CH23095 1RB#25

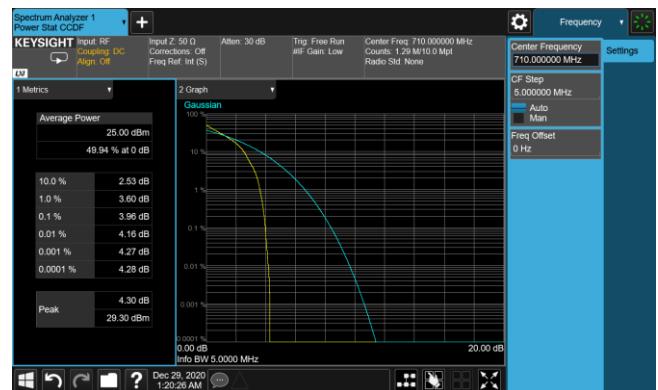


Test Mode	Modulation	Channel/ Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 17	QPSK	CH23790 / 710MHz	5	1	12	Pass
			10	1	25	Pass
	16QAM		5	1	12	Pass
			10	1	25	Pass

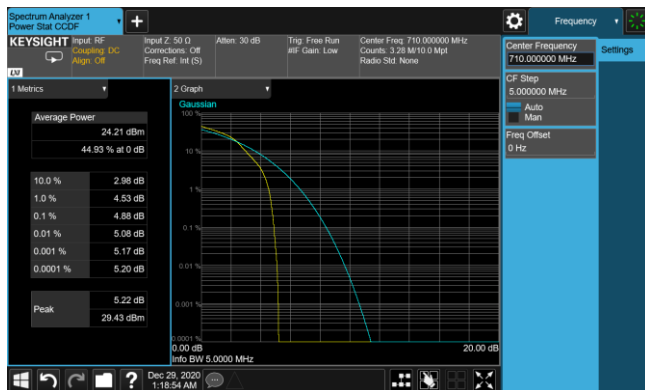
LTE Band 17 QPSK 5MHz CH23790 1RB#12



LTE Band 17 QPSK 10MHz CH23790 1RB#25



LTE Band 17 16QAM 5MHz CH23790 1RB#12

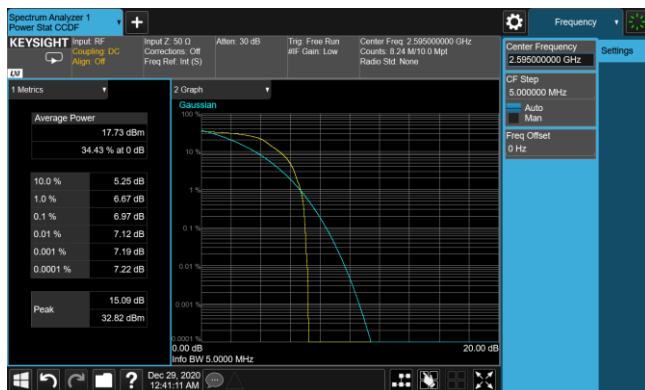


LTE Band 17 16QAM 10MHz CH23790 1RB#25

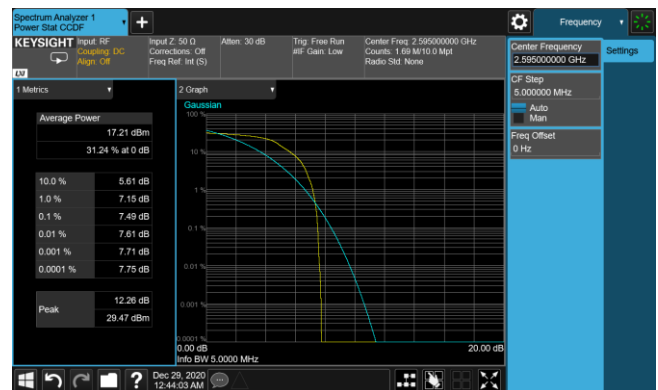


Test Mode	Modulation	Channel/ Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 38	QPSK	CH38000 / 2595MHz	5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass
	16QAM		5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass

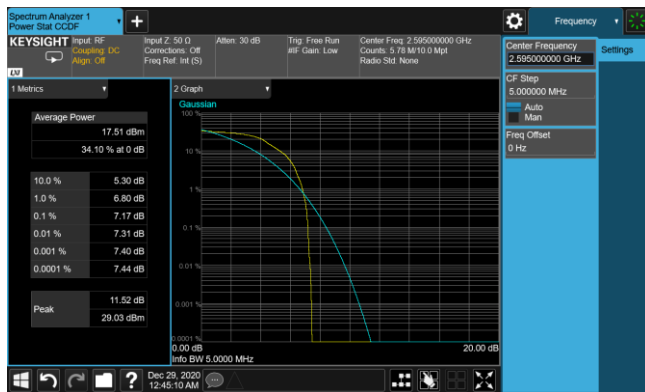
LTE Band 38 QPSK 5MHz CH38000 1RB#12



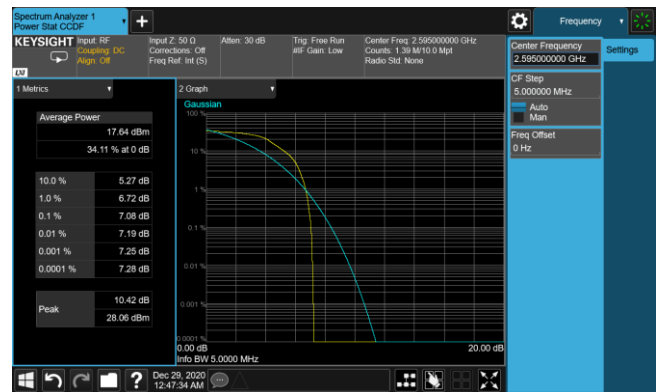
LTE Band 38 QPSK 10MHz CH38000 1RB#25



LTE Band 38 QPSK 15MHz CH38000 1RB#36



LTE Band 38 QPSK 20MHz CH38000 1RB#49



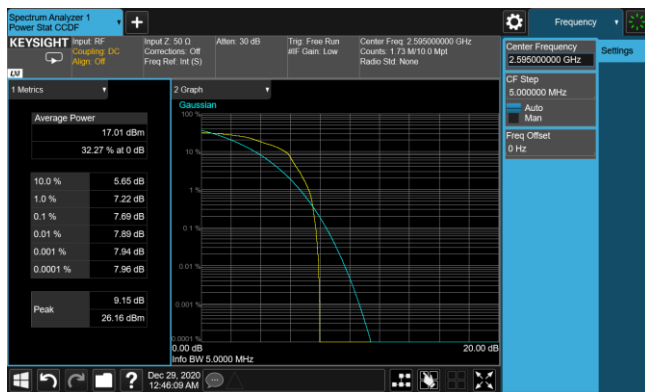
LTE Band 38 16QAM 5MHz CH38000 1RB#12



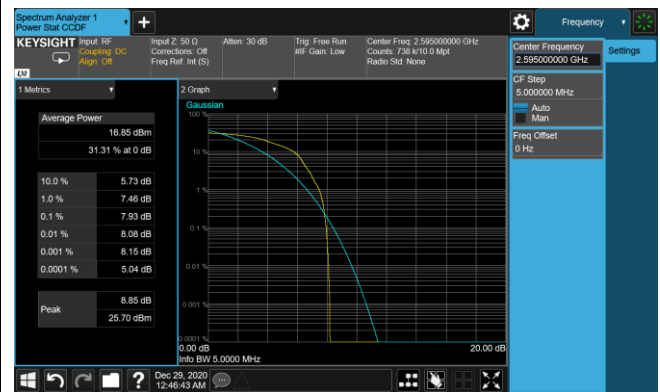
LTE Band 38 16QAM 10MHz CH38000 1RB#25



LTE Band 38 16QAM 15MHz CH38000 1RB#36

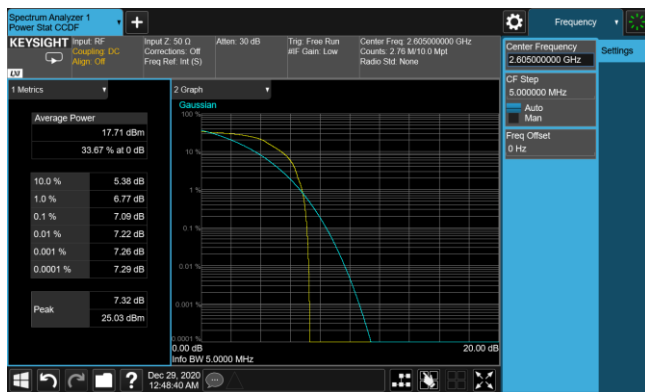


LTE Band 38 16QAM 20MHz CH38000 1RB#49

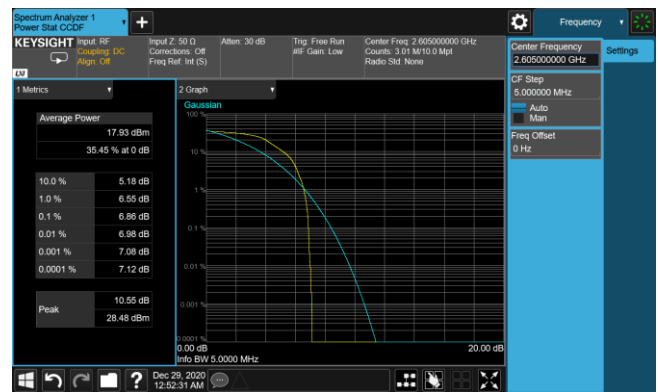


Test Mode	Modulation	Channel/ Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 41	QPSK	CH40740 / 2605MHz	5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass
	16QAM		5	1	12	Pass
			10	1	25	Pass
			15	1	36	Pass
			20	1	49	Pass

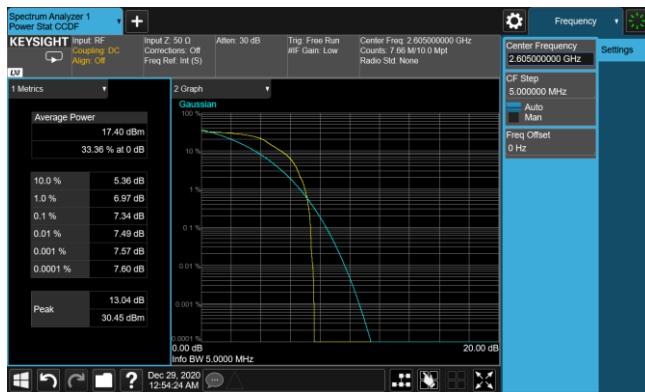
LTE Band 41 QPSK 5MHz CH40740 1RB#12



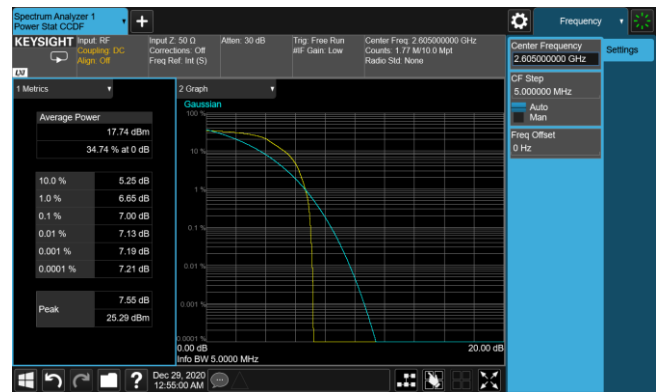
LTE Band 41 QPSK 10MHz CH40740 1RB#25



LTE Band 41 QPSK 15MHz CH40740 1RB#36



LTE Band 41 QPSK 20MHz CH40740 1RB#49



LTE Band 41 16QAM 5MHz CH40740 1RB#12



LTE Band 41 16QAM 10MHz CH40740 1RB#25



LTE Band 41 16QAM 15MHz CH40740 1RB#36



LTE Band 41 16QAM 20MHz CH40740 1RB#49



7.7. Frequency Stability Under Temperature & Voltage Variations

7.7.1 Test Limit

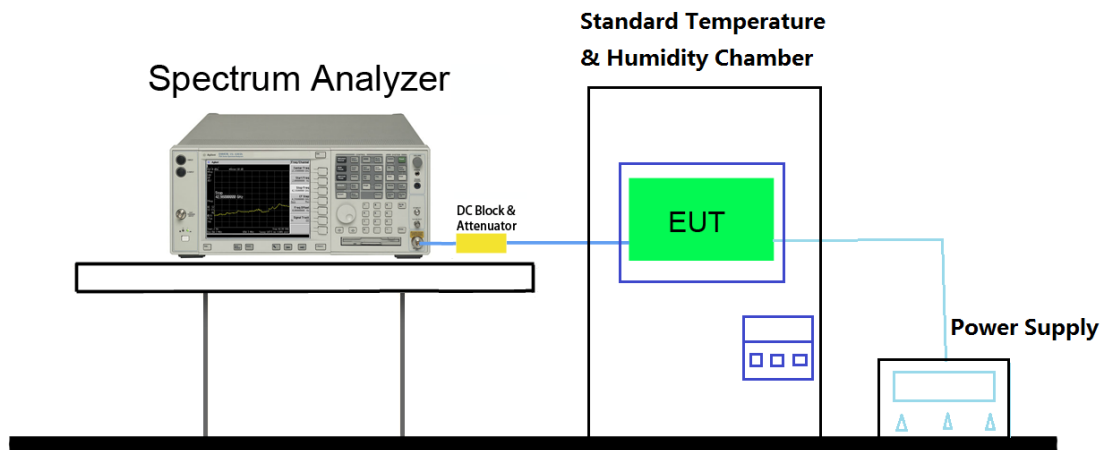
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Limit	$< \pm 2.5 \text{ ppm}$
-------	-------------------------

7.7.2 Test Procedure

KDB 971168 D01v03r01 - Section 9.0 & ANSI/TIA-603-E-2016

7.7.3 Test Setup



7.7.4 Test Result

Operating Frequency	1880MHz
Channel	CH18900
Test Mode	LTE Band 2
Reference Voltage	DC 3.8 (By Battery)

Temperature vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	-30	1880	-16.37	-0.009	±2.5
		-20	1880	-14.55	-0.008	±2.5
		-10	1880	-14.29	-0.008	±2.5
		0	1880	-14.23	-0.008	±2.5
		10	1880	-11.24	-0.006	±2.5
		+ 20 (Ref)	1880	-15.35	-0.008	±2.5
		30	1880	-20.01	-0.011	±2.5
		40	1880	-13.66	-0.007	±2.5
		50	1880	-11.44	-0.006	±2.5
Voltage vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	20	1880	-13.39	-0.007	±2.5
115%	4.4V	20	1880	-11.56	-0.006	±2.5
85%	3.5V	20	1880	-10.37	-0.006	±2.5

Operating Frequency	1732.6MHz
Channel	CH20175
Test Mode	LTE Band 4
Reference Voltage	DC 3.8 (By Battery)

Temperature vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	-30	1732.6	-10.66	-0.006	±2.5
		-20	1732.6	-8.67	-0.005	±2.5
		-10	1732.6	-6.19	-0.004	±2.5
		0	1732.6	-7.68	-0.004	±2.5
		10	1732.6	-7.98	-0.005	±2.5
		+ 20 (Ref)	1732.6	-10.51	-0.006	±2.5
		30	1732.6	-8.77	-0.005	±2.5
		40	1732.6	-9.30	-0.005	±2.5
		50	1732.6	-11.57	-0.007	±2.5
Voltage vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	20	1732.6	-13.09	-0.008	±2.5
115%	4.4V	20	1732.6	-9.06	-0.005	±2.5
85%	3.5V	20	1732.6	-7.00	-0.004	±2.5

Operating Frequency	836.6MHz
Channel	CH20525
Test Mode	LTE Band 5
Reference Voltage	DC 3.8 (By Battery)

Temperature vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	-30	836.6	-7.51	-0.009	±2.5
		-20	836.6	-9.86	-0.012	±2.5
		-10	836.6	-7.18	-0.009	±2.5
		0	836.6	-5.76	-0.007	±2.5
		10	836.6	-8.25	-0.010	±2.5
		+ 20 (Ref)	836.6	-6.64	-0.008	±2.5
		30	836.6	-10.00	-0.012	±2.5
		40	836.6	-7.41	-0.009	±2.5
		50	836.6	-6.84	-0.008	±2.5
Voltage vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	20	836.6	-9.50	-0.011	±2.5
115%	4.4V	20	836.6	-8.38	-0.010	±2.5
85%	3.5V	20	836.6	-7.31	-0.009	±2.5

Operating Frequency	707.5MHz
Channel	CH23095
Test Mode	LTE Band 12
Reference Voltage	DC 3.8 (By Battery)

Temperature vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	-30	707.5	-6.22	-0.009	±2.5
		-20	707.5	-6.61	-0.009	±2.5
		-10	707.5	-8.84	-0.012	±2.5
		0	707.5	-8.28	-0.012	±2.5
		10	707.5	-9.70	-0.014	±2.5
		+ 20 (Ref)	707.5	-6.62	-0.009	±2.5
		30	707.5	-7.27	-0.010	±2.5
		40	707.5	-10.97	-0.016	±2.5
		50	707.5	-10.29	-0.015	±2.5
Voltage vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	20	707.5	-6.41	-0.009	±2.5
115%	4.4V	20	707.5	-14.69	-0.021	±2.5
85%	3.5V	20	707.5	-9.03	-0.013	±2.5

Operating Frequency	710MHz
Channel	CH23790
Test Mode	LTE Band 17
Reference Voltage	DC 3.8 (By Battery)

Temperature vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	-30	710	-11.23	-0.016	±2.5
		-20	710	-9.26	-0.013	±2.5
		-10	710	-8.63	-0.012	±2.5
		0	710	-10.64	-0.015	±2.5
		10	710	-13.20	-0.019	±2.5
		+ 20 (Ref)	710	-6.88	-0.010	±2.5
		30	710	-6.91	-0.010	±2.5
		40	710	-8.80	-0.012	±2.5
		50	710	-10.67	-0.015	±2.5
Voltage vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	20	710	-11.54	-0.016	±2.5
115%	4.4V	20	710	-14.93	-0.021	±2.5
85%	3.5V	20	710	-7.35	-0.010	±2.5

Operating Frequency	2595MHz
Channel	CH38000
Test Mode	LTE Band 38
Reference Voltage	DC 3.8 (By Battery)

Temperature vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	-30	2595	-20.46	-0.008	±2.5
		-20	2595	-12.19	-0.005	±2.5
		-10	2595	-16.88	-0.007	±2.5
		0	2595	-15.98	-0.006	±2.5
		10	2595	-17.87	-0.007	±2.5
		+ 20 (Ref)	2595	-11.30	-0.004	±2.5
		30	2595	-22.12	-0.009	±2.5
		40	2595	-19.18	-0.007	±2.5
		50	2595	-17.15	-0.007	±2.5
Voltage vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	20	2595	-19.71	-0.008	±2.5
115%	4.4V	20	2595	-16.11	-0.006	±2.5
85%	3.5V	20	2595	-14.85	-0.006	±2.5

Operating Frequency	2605MHz
Channel	CH40740
Test Mode	LTE Band 41
Reference Voltage	DC 3.8 (By Battery)

Temperature vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	-30	2605	-11.23	-0.004	±2.5
		-20	2605	-13.42	-0.005	±2.5
		-10	2605	-20.34	-0.008	±2.5
		0	2605	-12.79	-0.005	±2.5
		10	2605	-20.18	-0.008	±2.5
		+ 20 (Ref)	2605	-7.77	-0.003	±2.5
		30	2605	-18.60	-0.007	±2.5
		40	2605	-10.71	-0.004	±2.5
		50	2605	-10.04	-0.004	±2.5
Voltage vs. Frequency Stability						
Voltage (%)	Power (VDC)	Temp (°C)	Declared Frequency (MHz)	Measured Frequency (Hz)	Frequency Tolerance (ppm)	Limit (ppm)
100%	3.8V	20	2605	-21.83	-0.008	±2.5
115%	4.4V	20	2605	-14.23	-0.005	±2.5
85%	3.5V	20	2605	-13.49	-0.005	±2.5

— The End —