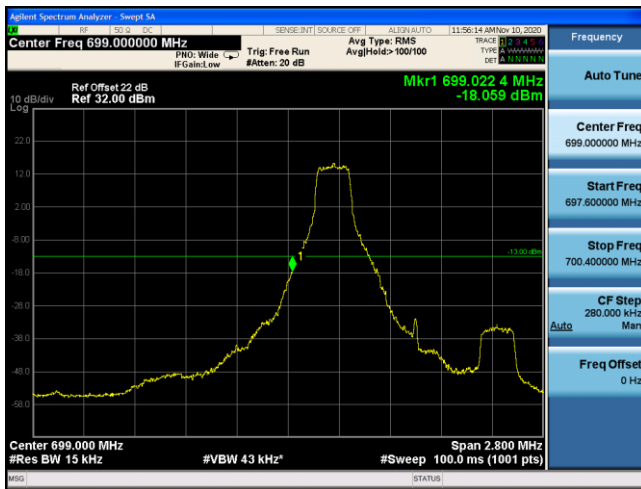


Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 12 (Low Channel)	QPSK	CH23017 / 699.7MHz	1.4	1	0	Pass
				6	0	Pass
		CH23025 / 700.5MHz	3	1	0	Pass
				15	0	Pass
		CH23035 / 701.5MHz	5	1	0	Pass
				25	0	Pass
	CH23060 / 704MHz	10	1	0	Pass	
			50	0	Pass	
	16QAM	CH23017 / 699.7MHz	1.4	1	0	Pass
				6	0	Pass
		CH23025 / 700.5MHz	3	1	0	Pass
				15	0	Pass
		CH23035 / 701.5MHz	5	1	0	Pass
				25	0	Pass
CH23060 / 704MHz		10	1	0	Pass	
			50	0	Pass	

Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 12 (High Channel)	QPSK	CH23173 / 715.3MHz	1.4	1	5	Pass
				6	0	Pass
		CH23165 / 714.5MHz	3	1	14	Pass
				15	0	Pass
		CH23155 / 713.5MHz	5	1	24	Pass
				25	0	Pass
	CH23130 / 711MHz	10	1	49	Pass	
			50	0	Pass	
	16QAM	CH23173 / 715.3MHz	1.4	1	5	Pass
				6	0	Pass
		CH23165 / 714.5MHz	3	1	14	Pass
				15	0	Pass
		CH23155 / 713.5MHz	5	1	24	Pass
				25	0	Pass
CH23130 / 711MHz		10	1	49	Pass	
			50	0	Pass	

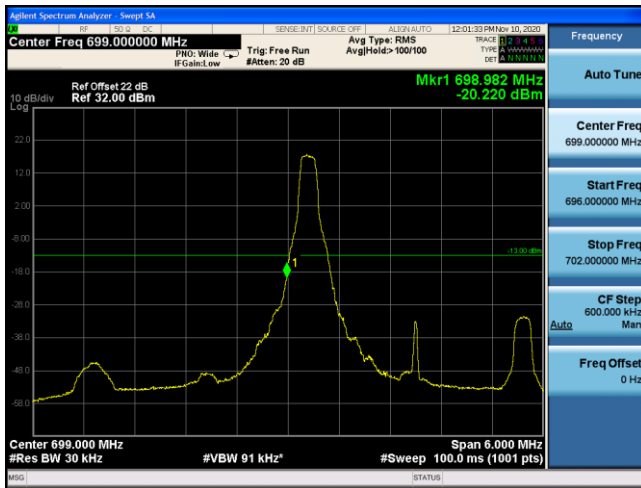
**LTE Band 12 QPSK 1.4MHz CH23017 1RB#0**



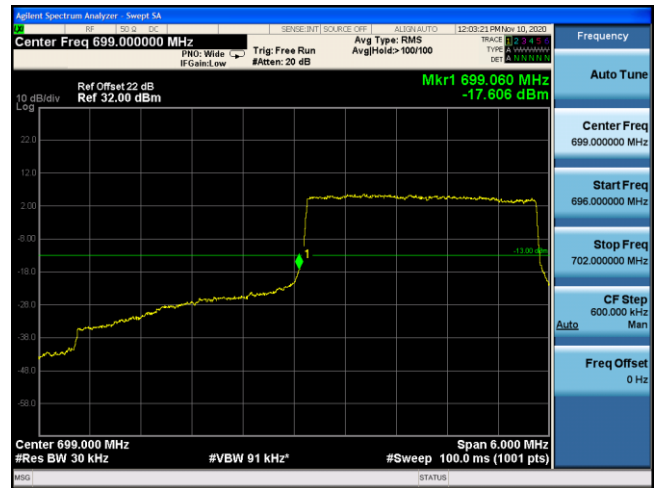
**LTE Band 12 QPSK 1.4MHz CH23017 6RB#0**



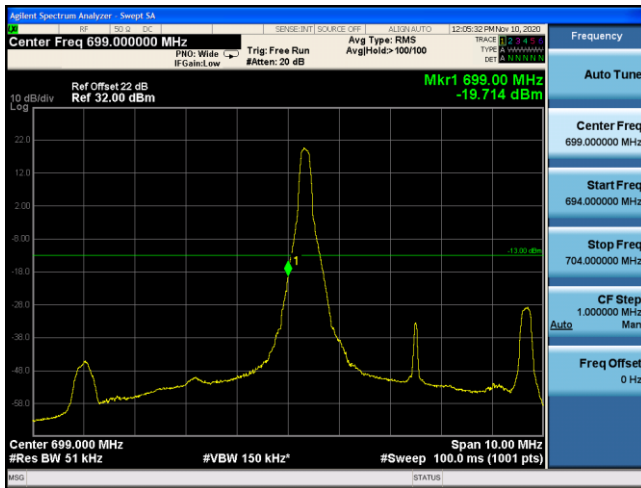
**LTE Band 12 QPSK 3MHz CH23025 1RB#0**



**LTE Band 12 QPSK 3MHz CH23025 15RB#0**



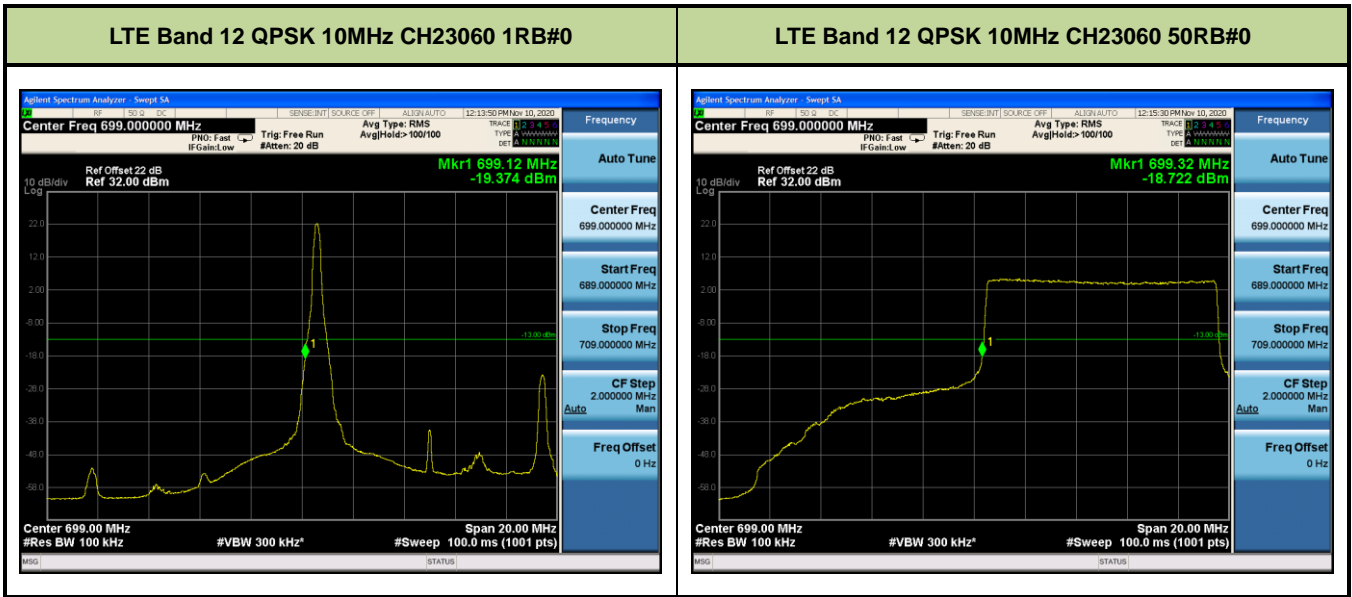
**LTE Band 12 QPSK 5MHz CH23035 1RB#0**



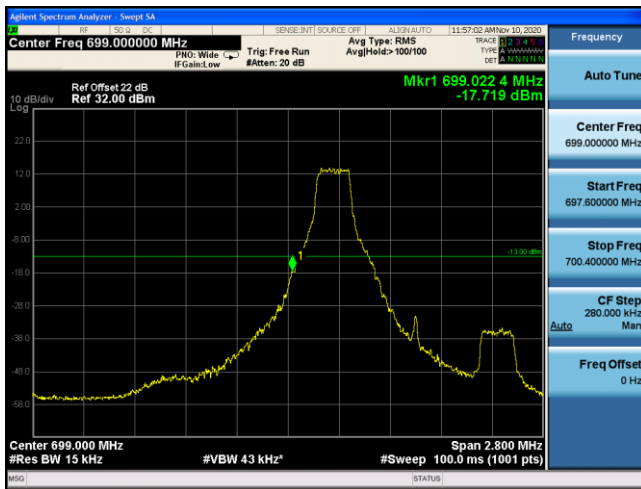
**LTE Band 12 QPSK 5MHz CH23035 25RB#0**







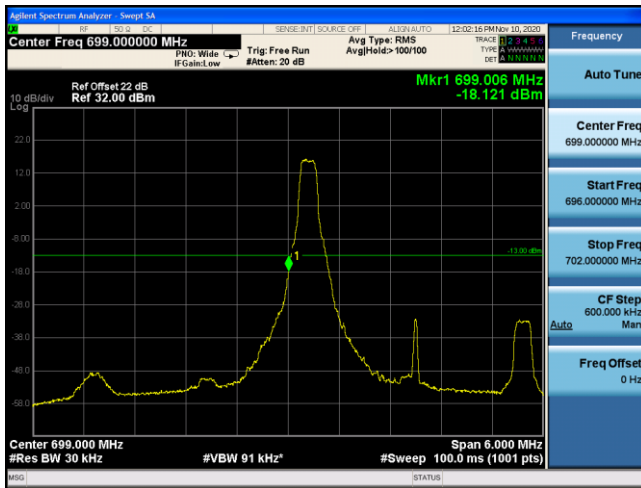
LTE Band 12 16QAM 1.4MHz CH23017 1RB#0



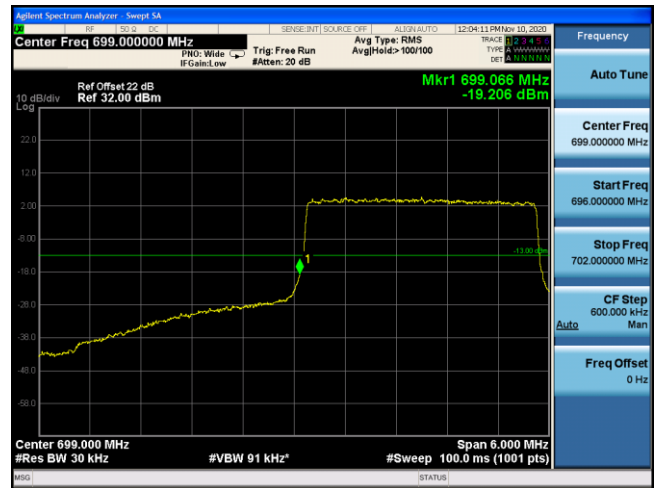
LTE Band 12 16QAM 1.4MHz CH23017 6RB#0



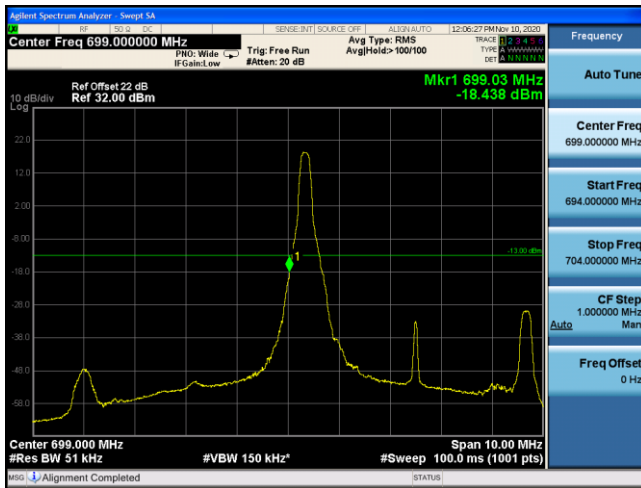
LTE Band 12 16QAM 3MHz CH23025 1RB#0



LTE Band 12 16QAM 3MHz CH23025 15RB#0

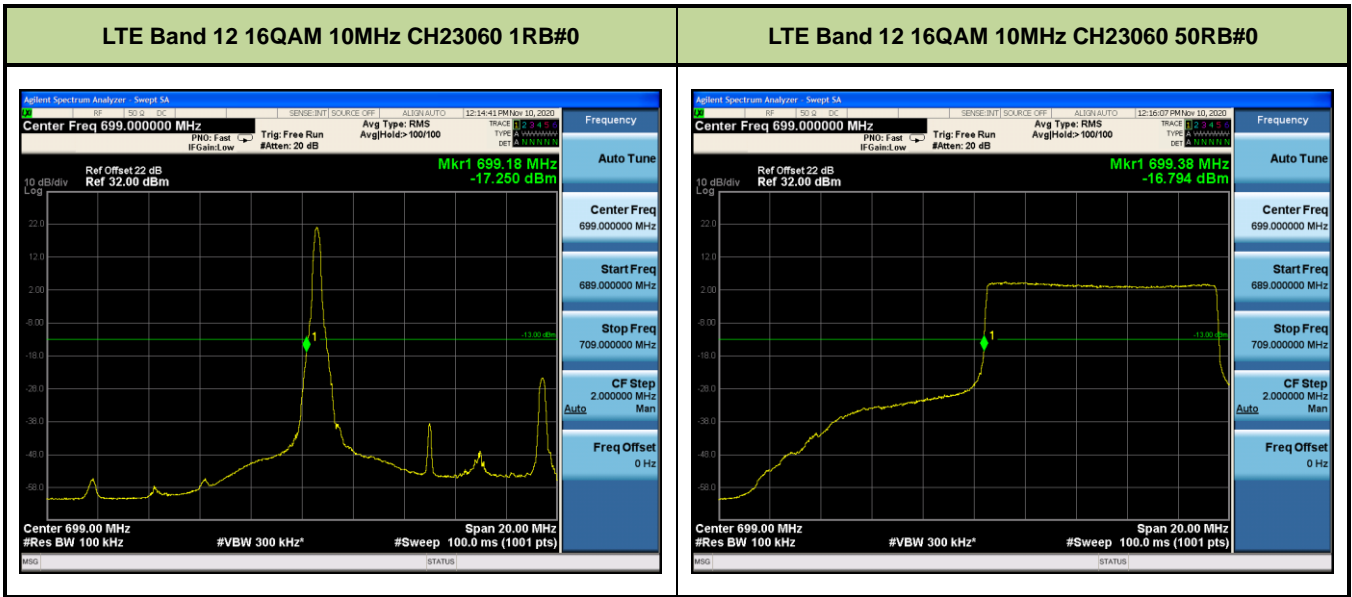


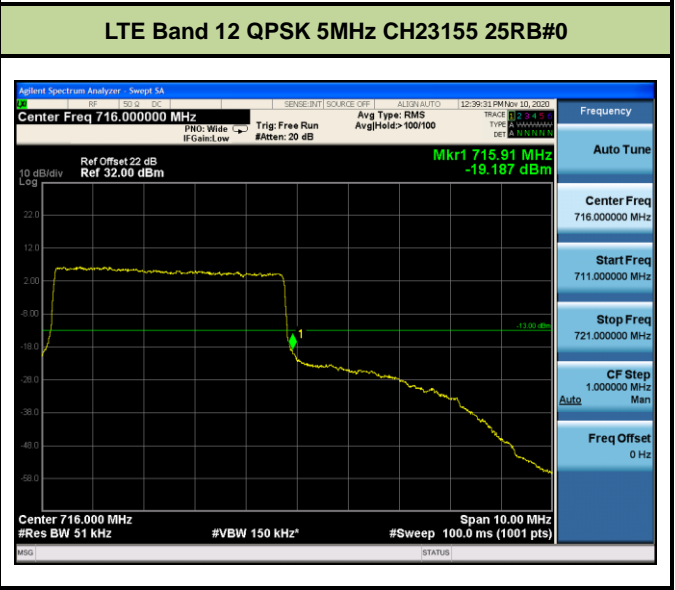
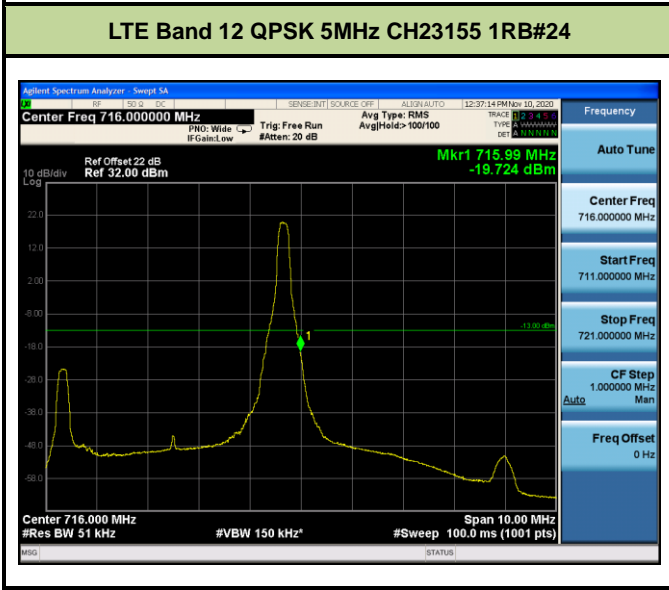
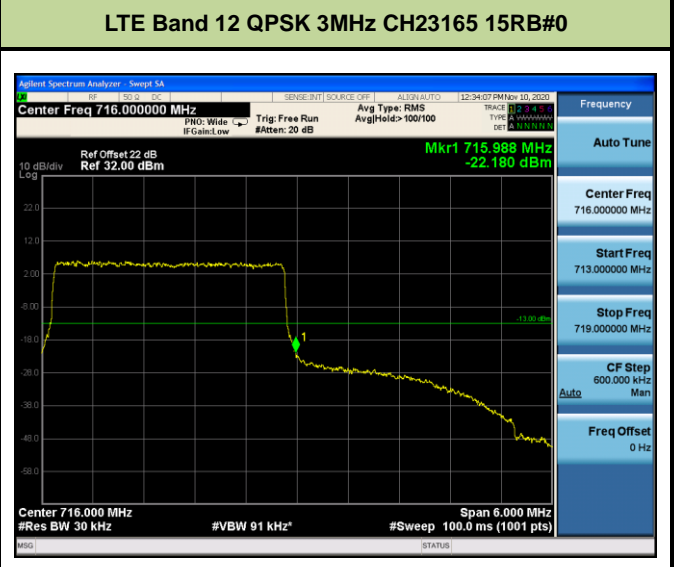
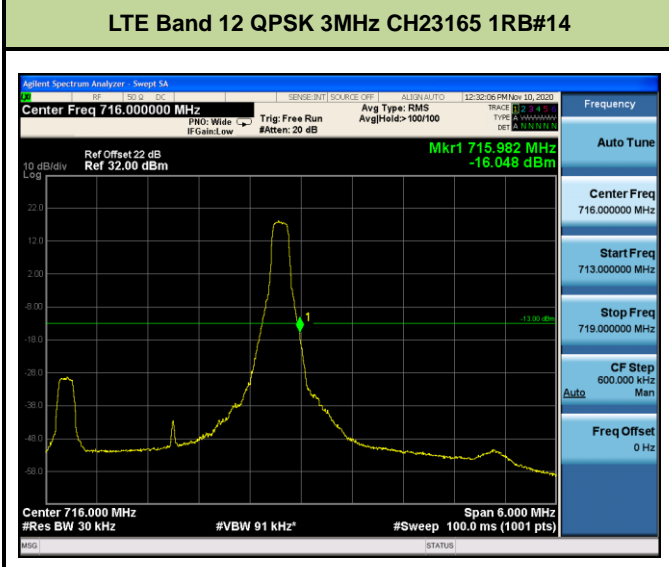
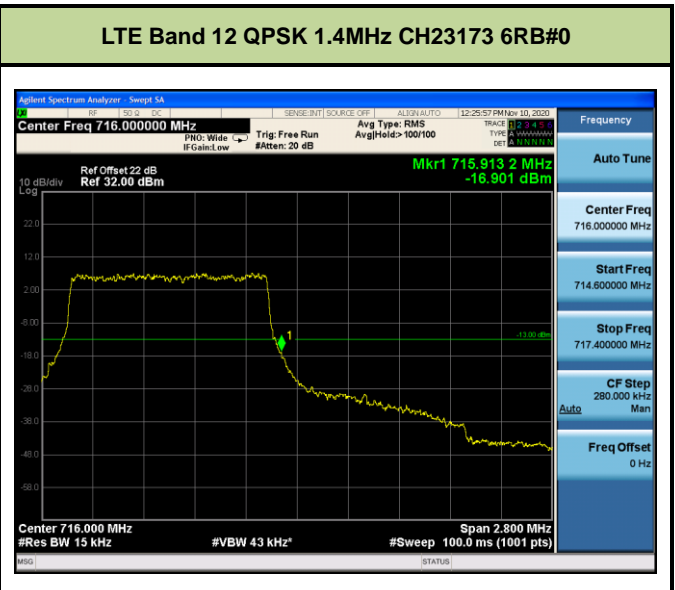
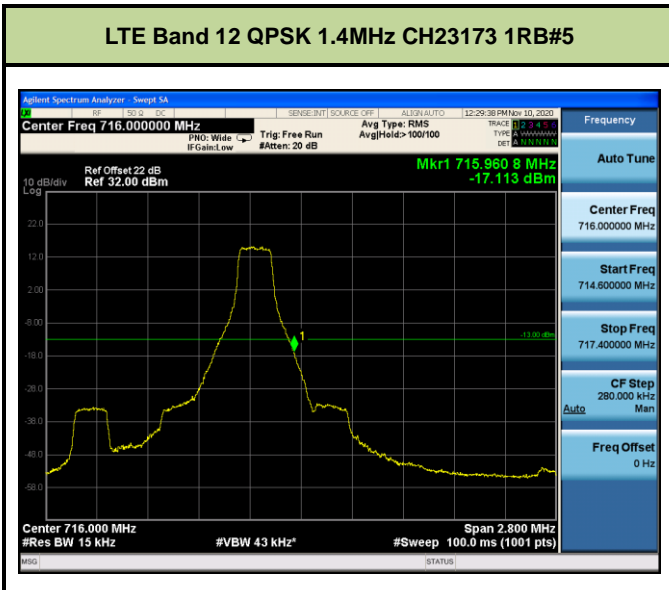
LTE Band 12 16QAM 5MHz CH23035 1RB#0

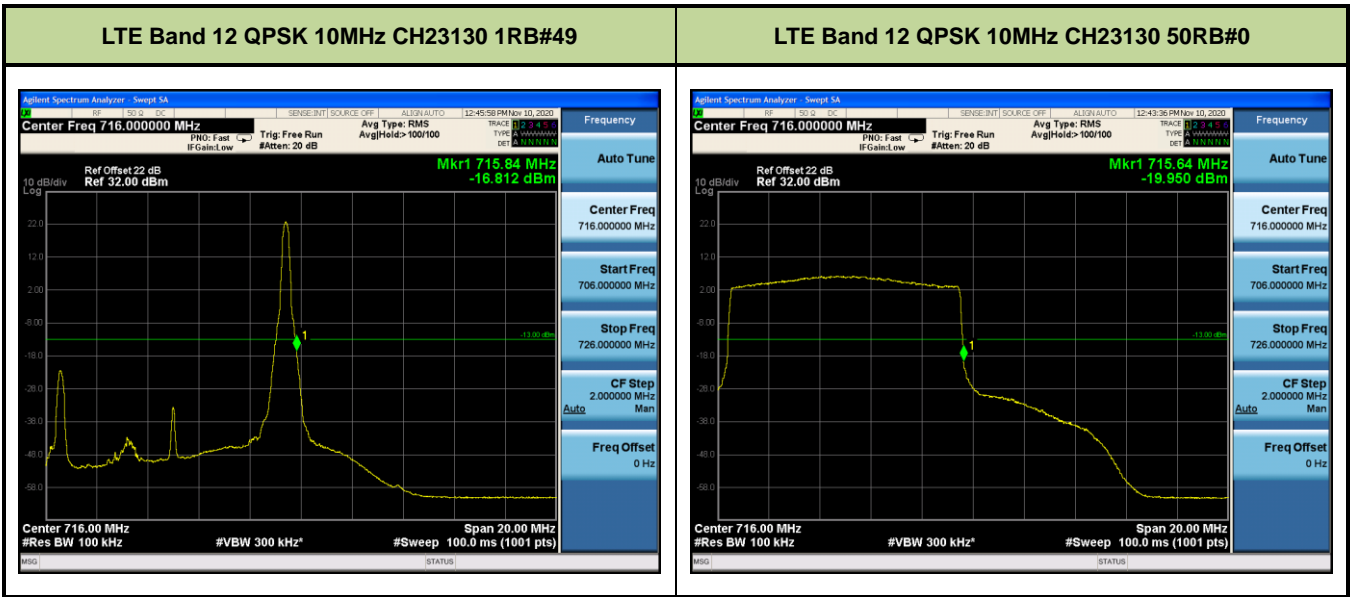


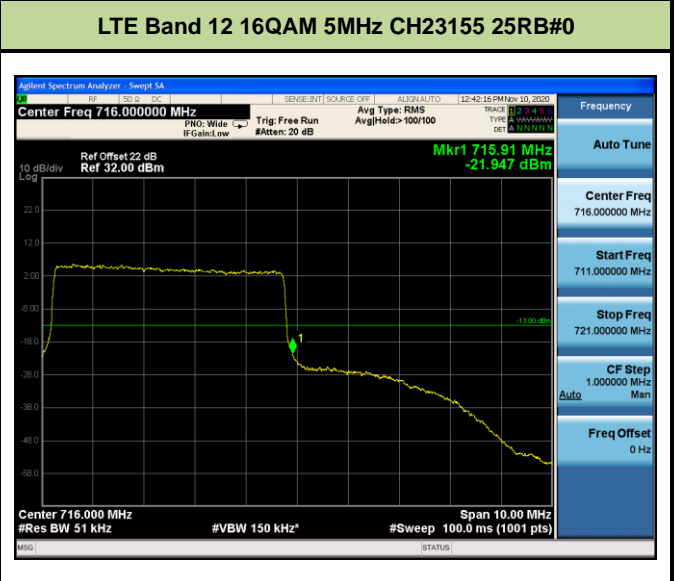
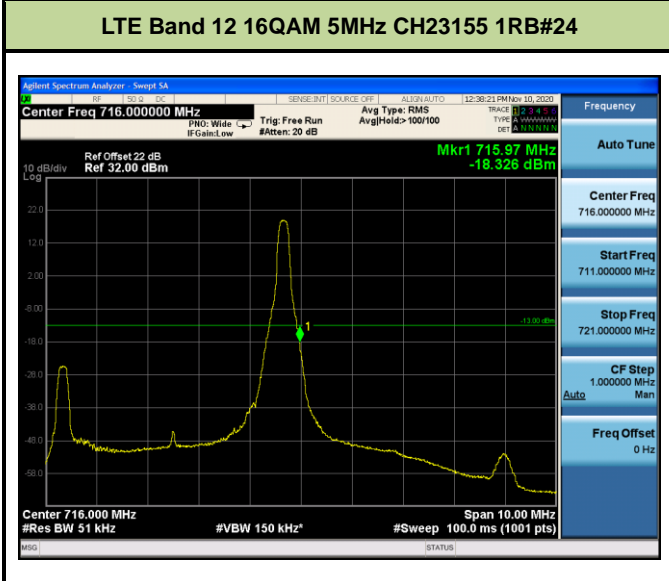
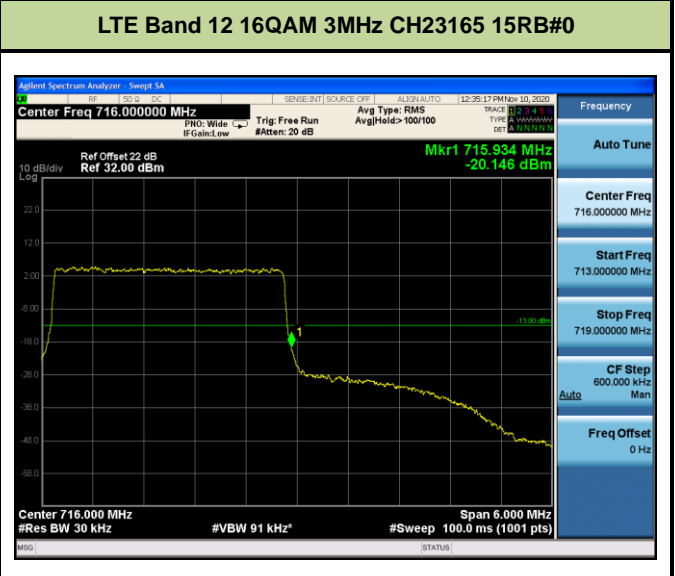
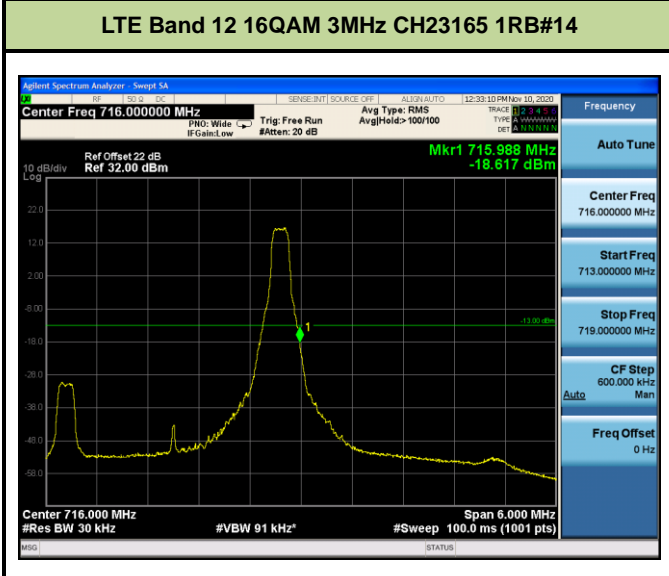
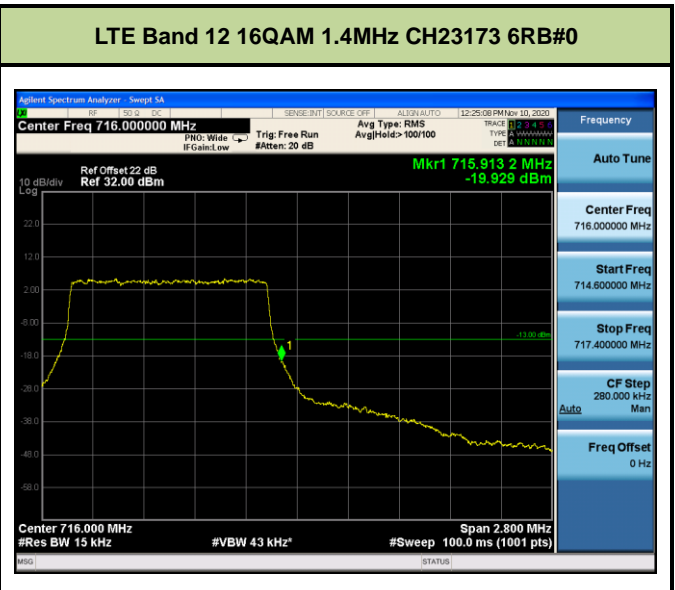
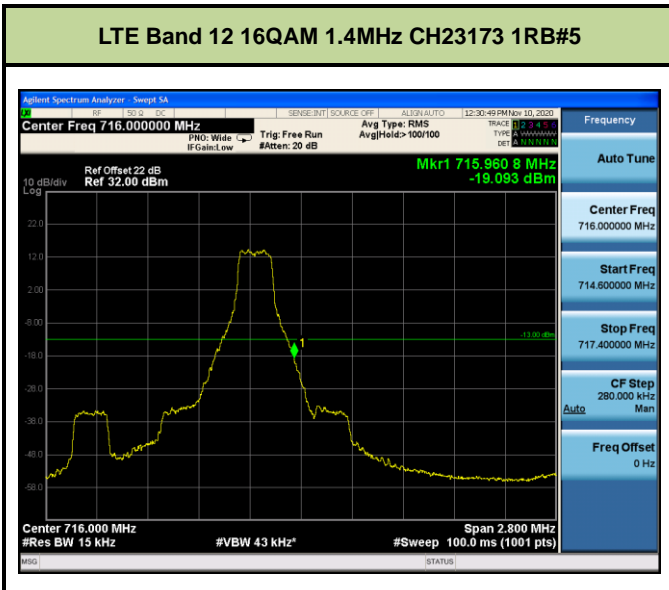
LTE Band 12 16QAM 5MHz CH23035 25RB#0

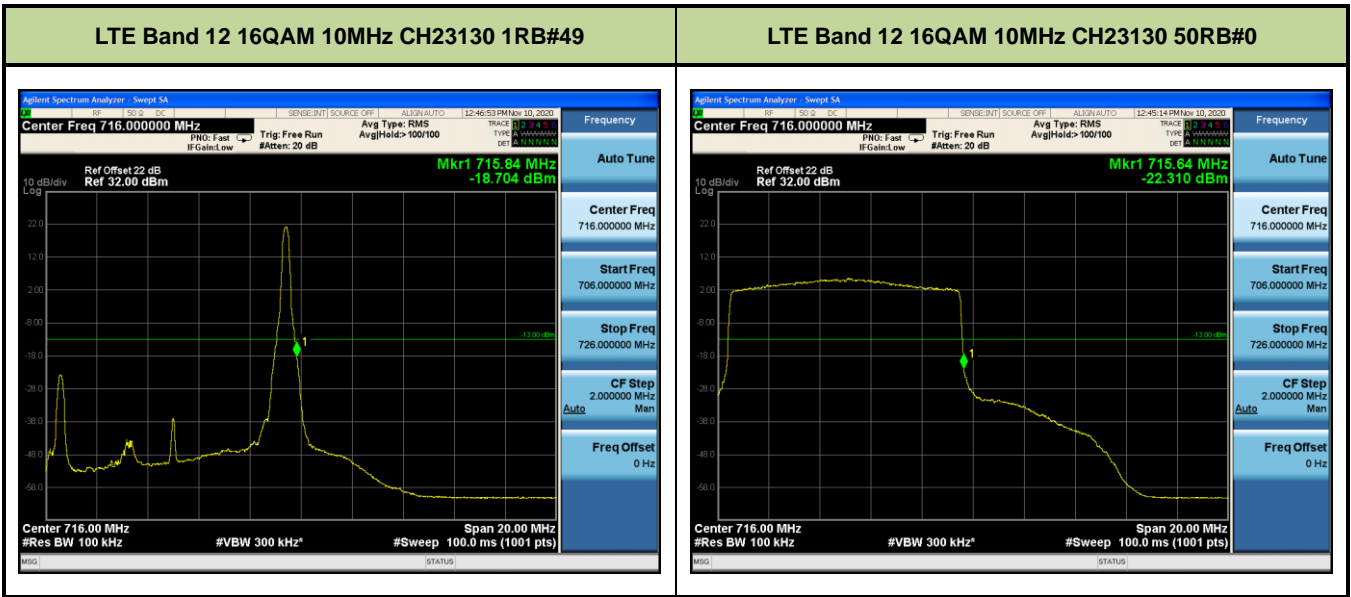












## 7.5. Power and Radiated Spurious Emissions

### 7.5.1 Test Limit

#### **Radiated Power**

For FCC Part 22.913(a)(2):

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(c)/27.50(h):

The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 2 Watts.

For FCC Part 27.50(b):

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 3 Watts.

For FCC Part 27.50(d):

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 1 Watts.

#### **Radiated Spurious Emissions**

For FCC Part 22.917(a)/24.238(a)/27.53(c)/27.53(f)/27.53(h):

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10\log_{10}(P)$  dB.

For FCC Part 27.53(m):

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $55 + 10\log_{10}(P)$  dB.

### 7.5.2 Test Procedure Used

KDB 971168 D01v03r01 - Section 5.8 & ANSI/TIA-603-E-2016



### 7.5.3 Test Setting

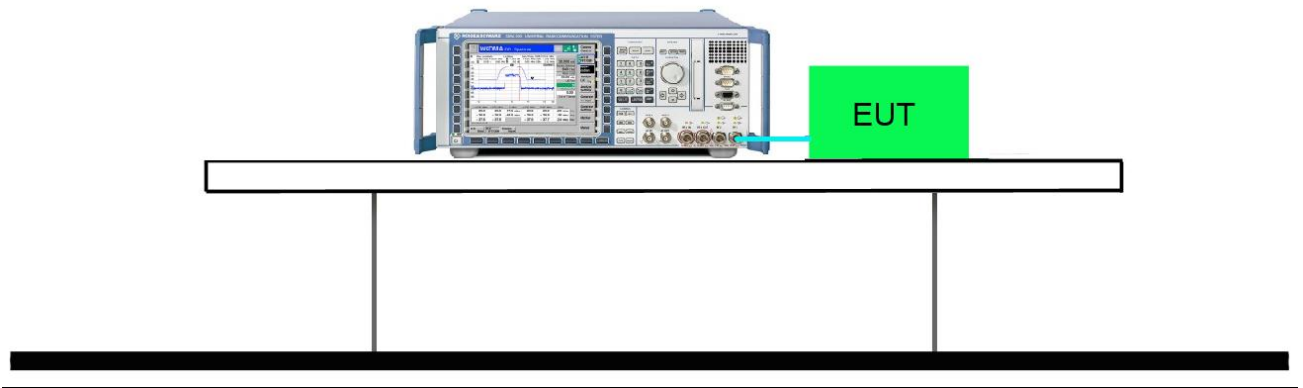
1. The EUT shall be placed at the specified height on a support, and in the position closest to normal use as declared by provider.
2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter
3. The output of the test antenna shall be connected to the measuring receiver.
4. The transmitter shall be switched on and the measuring receiver shall be tuned to the frequency of the transmitter under test.
5. The test antenna shall be raised and lowered through the specified range of height until a maximum signal level is detected by the measuring receiver.
6. The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
7. The test antenna shall be raised and lowered again through the specified range of height until a maximum signal level is detected by the measuring receiver.
8. The maximum signal level detected by the measuring receiver shall be noted.
9. The transmitter shall be replaced by a substitution antenna.
10. The substitution antenna shall be orientated for vertical polarization and the length of the substitution antenna shall be adjusted to correspond to the frequency of the transmitter.
11. The substitution antenna shall be connected to a calibrated signal generator.
12. If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
13. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
14. The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter

radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.

15. The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.
16. The measure of the effective radiated power is the larger of the two levels recorded at the input to the substitution antenna, corrected for gain of the substitution antenna if necessary.
17. Test site anechoic chamber refer to ANSI C63.4: 2014.

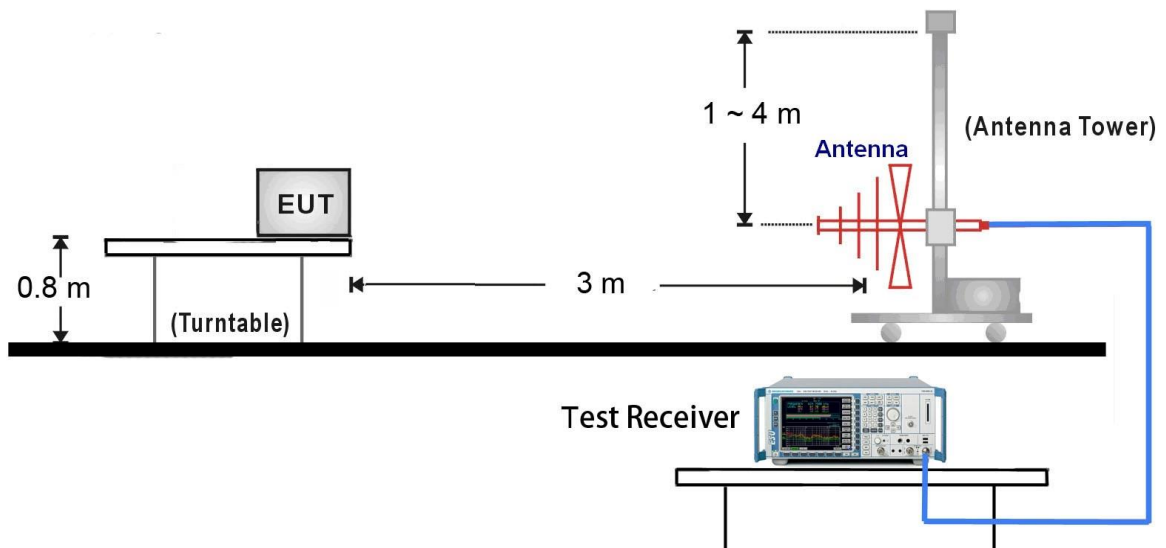
### 7.5.4 Test Setup

#### Conducted Power

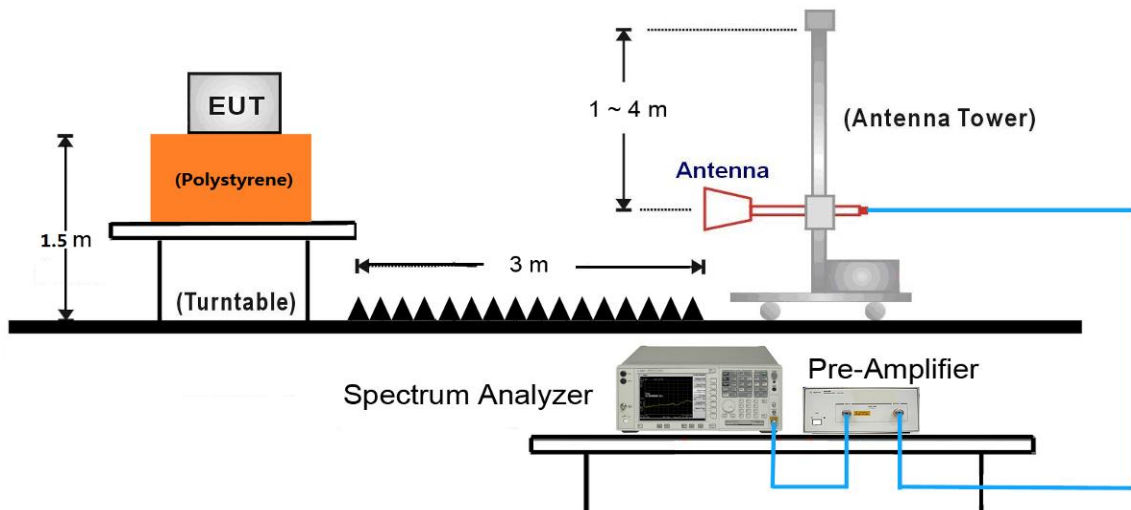


#### Radiated Power & Radiated Spurious Emissions

##### 30MHz ~ 1GHz Test Setup:



##### 1GHz ~ 10GHz Test Setup:



### 7.5.5 Test Result

#### Conducted Power

LTE Band 2		1.4MHz			3MHz			5MHz			10MHz			15MHz			20MHz			MPR		
Channel	Modulation	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max			
		No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power			
		<b>18607 (1850.7MHz)</b>			<b>18615 (1851.5MHz)</b>			<b>18625 (1852.5MHz)</b>			<b>18650 (1855MHz)</b>			<b>18675 (1857.5MHz)</b>			<b>18700 (1860MHz)</b>					
Low	QPSK	1	#0	22.97	1	#0	22.99	1	#0	22.75	1	#0	22.86	1	#0	22.89	1	#0	23.00	0		
		1	#2	23.30	1	#7	22.67	1	#12	22.31	1	#25	22.45	1	#36	22.72	1	#49	22.89	0		
		1	#5	23.36	1	#14	22.31	1	#24	22.11	1	#49	22.11	1	#74	22.31	1	#99	22.81	0		
		3	#0	22.82	8	#0	21.89	12	#0	21.82	25	#0	21.85	36	#0	21.86	50	#0	21.89	0-1		
		3	#2	22.79	8	#4	21.71	12	#6	21.77	25	#12	21.62	36	#18	21.71	50	#24	21.76	0-1		
		3	#3	22.32	8	#7	21.62	12	#13	21.62	25	#25	21.50	36	#37	21.52	50	#49	21.64	0-1		
		16QAM	6	#0	21.88	15	#0	21.95	25	#0	21.95	50	#0	22.00	75	#0	21.90	100	#0	21.77	0-1	
	1		#0	21.72	1	#0	22.58	1	#0	21.58	1	#0	21.83	1	#0	21.94	1	#0	22.09	0-1		
	1		#2	21.12	1	#7	22.21	1	#12	21.24	1	#25	21.61	1	#36	21.81	1	#49	21.88	0-1		
	1		#5	21.02	1	#14	22.00	1	#24	21.10	1	#49	21.00	1	#74	21.20	1	#99	21.60	0-1		
	3		#0	20.32	8	#0	21.60	12	#0	20.97	25	#0	20.88	36	#0	20.69	50	#0	21.06	0-2		
	3		#2	20.10	8	#4	21.32	12	#6	20.64	25	#12	20.30	36	#18	20.51	50	#24	20.98	0-2		
	QPSK	3	#3	19.86	8	#7	21.10	12	#13	20.32	25	#25	20.12	36	#37	20.20	50	#49	20.70	0-2		
6		#0	19.80	15	#0	20.39	25	#0	20.00	50	#0	20.03	75	#0	20.01	100	#0	20.32	0-2			
		<b>18900 (1880MHz)</b>			<b>18900 (1880MHz)</b>			<b>18900 (1880MHz)</b>			<b>18900 (1880MHz)</b>			<b>18900 (1880MHz)</b>			<b>18900 (1880MHz)</b>					
Mid		QPSK	1	#0	23.09	1	#0	23.13	1	#0	23.05	1	#0	23.04	1	#0	23.22	1	#0	22.83	0	
			1	#2	22.98	1	#7	23.00	1	#12	22.80	1	#25	22.87	1	#36	23.14	1	#49	22.64	0	
			1	#5	22.81	1	#14	22.69	1	#24	22.35	1	#49	22.53	1	#74	23.10	1	#99	22.51	0	
			3	#0	23.11	8	#0	22.26	12	#0	22.10	25	#0	22.24	36	#0	22.15	50	#0	22.20	0-1	
			3	#2	22.71	8	#4	22.10	12	#6	21.65	25	#12	22.17	36	#18	22.02	50	#24	21.98	0-1	
			3	#3	22.20	8	#7	22.08	12	#13	21.32	25	#25	22.15	36	#37	22.10	50	#49	21.56	0-1	
			16QAM	6	#0	21.96	15	#0	22.00	25	#0	22.10	50	#0	22.12	75	#0	22.13	100	#0	22.10	0-1
		1		#0	22.42	1	#0	22.17	1	#0	22.34	1	#0	22.93	1	#0	22.82	1	#0	21.97	0-1	
		1		#2	22.31	1	#7	22.00	1	#12	22.10	1	#25	22.71	1	#36	22.80	1	#49	21.86	0-1	
	1	#5		22.10	1	#14	21.87	1	#24	21.70	1	#49	22.52	1	#74	22.58	1	#99	21.71	0-1		
	3	#0		21.36	8	#0	21.02	12	#0	20.64	25	#0	21.36	36	#0	22.31	50	#0	21.00	0-2		
	3	#2		21.10	8	#4	20.93	12	#6	20.51	25	#12	21.10	36	#18	22.17	50	#24	20.69	0-2		
	16QAM	3	#3	20.90	8	#7	20.70	12	#13	20.32	25	#25	21.02	36	#37	21.50	50	#49	20.53	0-2		
6		#0	20.63	15	#0	20.06	25	#0	20.10	50	#0	20.80	75	#0	21.10	100	#0	20.41	0-2			

		19193 (1909.3MHz)		19185 (1908.5MHz)		19175 (1907.5MHz)		19150 (1905MHz)		19125 (1902.5MHz)		19100 (1900MHz)		MPR						
		1	#0	22.95	1	#0	23.20	1	#0	22.84	1	#0	23.36	1	#0	22.92	1	#0	23.06	0
High	QPSK	1	#2	22.94	1	#7	23.30	1	#12	22.61	1	#25	23.31	1	#36	22.82	1	#49	22.80	0
		1	#5	22.90	1	#14	23.11	1	#24	22.50	1	#49	22.95	1	#74	22.51	1	#99	22.30	0
		3	#0	22.93	8	#0	22.49	12	#0	22.40	25	#0	22.22	36	#0	22.32	50	#0	22.21	0-1
		3	#2	22.87	8	#4	22.30	12	#6	22.25	25	#12	22.17	36	#18	22.24	50	#24	22.15	0-1
		3	#3	22.40	8	#7	22.27	12	#13	22.20	25	#25	22.06	36	#37	22.20	50	#49	22.90	0-1
		6	#0	22.08	15	#0	22.25	25	#0	22.18	50	#0	22.23	75	#0	22.19	100	#0	22.04	0-1
		1	#0	22.07	1	#0	22.72	1	#0	22.23	1	#0	22.24	1	#0	22.27	1	#0	21.88	0-1
	16QAM	1	#2	22.01	1	#7	22.53	1	#12	22.17	1	#25	22.10	1	#36	22.00	1	#49	21.62	0-1
		1	#5	21.98	1	#14	22.41	1	#24	22.03	1	#49	21.86	1	#74	21.94	1	#99	21.31	0-1
		3	#0	21.34	8	#0	21.80	12	#0	21.51	25	#0	21.41	36	#0	21.12	50	#0	20.70	0-2
		3	#2	21.00	8	#4	21.32	12	#6	21.20	25	#12	21.03	36	#18	20.69	50	#24	20.32	0-2
		3	#3	20.99	8	#7	21.10	12	#13	21.00	25	#25	20.85	36	#37	20.51	50	#49	20.10	0-2
		6	#0	20.88	15	#0	21.02	25	#0	20.90	50	#0	20.43	75	#0	20.20	100	#0	19.99	0-2



LTE Band 4		1.4MHz			3MHz			5MHz			10MHz			15MHz			20MHz			MPR
Channel	Modulation	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max	
		No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	
		CH19957 (1710.7MHz)			CH19965 (1711.5MHz)			CH19975 (1712.5MHz)			CH20000 (1715MHz)			CH20025 (1717.5MHz)			CH20050 (1720MHz)			
Low	QPSK	1	#0	23.02	1	#0	22.87	1	#0	22.57	1	#0	23.07	1	#0	23.06	1	#0	23.05	0
		1	#2	22.89	1	#7	22.41	1	#12	22.12	1	#25	22.87	1	#36	22.90	1	#49	22.86	0
		1	#5	22.80	1	#14	22.02	1	#24	22.01	1	#49	22.61	1	#74	22.71	1	#99	22.10	0
		3	#0	22.77	8	#0	21.90	12	#0	21.91	25	#0	21.85	36	#0	21.95	50	#0	21.99	0-1
		3	#2	22.32	8	#4	21.86	12	#6	21.82	25	#12	21.90	36	#18	21.90	50	#24	21.76	0-1
		3	#3	22.00	8	#7	21.74	12	#13	21.70	25	#25	21.57	36	#37	21.82	50	#49	21.64	0-1
	6	#0	21.83	15	#0	21.94	25	#0	21.99	50	#0	21.97	75	#0	21.93	100	#0	21.95	0-1	
	16QAM	1	#0	21.85	1	#0	21.86	1	#0	22.05	1	#0	21.68	1	#0	21.94	1	#0	21.80	0-1
		1	#2	21.71	1	#7	21.71	1	#12	21.87	1	#25	21.52	1	#36	21.73	1	#49	21.60	0-1
		1	#5	21.60	1	#14	21.32	1	#24	21.71	1	#49	21.30	1	#74	21.30	1	#99	21.03	0-1
		3	#0	21.00	8	#0	20.98	12	#0	21.06	25	#0	21.01	36	#0	20.75	50	#0	20.71	0-2
		3	#2	20.80	8	#4	20.70	12	#6	20.70	25	#12	20.88	36	#18	20.61	50	#24	20.52	0-2
3		#3	20.64	8	#7	20.22	12	#13	20.61	25	#25	20.30	36	#37	20.10	50	#49	20.30	0-2	
Mid	QPSK	CH20175 (1732.5MHz)			CH20175 (1732.5MHz)			CH20175 (1732.5MHz)			CH20175 (1732.5MHz)			CH20175 (1732.5MHz)			CH20175 (1732.5MHz)			MPR
		1	#0	23.10	1	#0	23.20	1	#0	23.27	1	#0	23.16	1	#0	23.06	1	#0	22.83	0
		1	#2	23.00	1	#7	22.91	1	#12	22.03	1	#25	23.03	1	#36	22.85	1	#49	22.80	0
		1	#5	23.03	1	#14	22.58	1	#24	21.95	1	#49	22.48	1	#74	22.71	1	#99	22.64	0
		3	#0	23.12	8	#0	22.03	12	#0	21.91	25	#0	22.06	36	#0	21.96	50	#0	21.94	0-1
		3	#2	22.70	8	#4	21.97	12	#6	21.87	25	#12	22.00	36	#18	21.86	50	#24	21.87	0-1
	6	#0	22.63	8	#7	21.63	12	#13	21.64	25	#25	21.99	36	#37	21.90	50	#49	21.80	0-1	
	6	#0	21.94	15	#0	21.96	25	#0	21.95	50	#0	21.98	75	#0	21.88	100	#0	21.78	0-1	
	16QAM	1	#0	22.52	1	#0	22.37	1	#0	21.74	1	#0	22.01	1	#0	21.99	1	#0	22.09	0-1
		1	#2	22.41	1	#7	22.15	1	#12	21.51	1	#25	21.85	1	#36	21.81	1	#49	22.87	0-1
		1	#5	22.15	1	#14	22.02	1	#24	21.32	1	#49	21.70	1	#74	21.53	1	#99	22.78	0-1
		3	#0	21.60	8	#0	21.64	12	#0	20.98	25	#0	21.20	36	#0	21.00	50	#0	21.03	0-2
3		#2	21.35	8	#4	21.32	12	#6	20.71	25	#12	20.96	36	#18	20.86	50	#24	21.00	0-2	
3		#3	21.02	8	#7	21.10	12	#13	20.12	25	#25	20.86	36	#37	20.60	50	#49	20.95	0-2	
6	#0	20.96	15	#0	20.86	25	#0	20.00	50	#0	20.54	75	#0	20.32	100	#0	20.86	0-2		

		CH20393 (1754.3MHz)			CH20385 (1753.5MHz)			CH20375 (1752.5MHz)			CH20350 (1750MHz)			CH20325 (1747.5MHz)			CH20300 (1745MHz)			MPR
		1	#		1	#		1	#		1	#		1	#		1	#		
High	QPSK	1	#0	22.91	1	#0	23.01	1	#0	22.60	1	#0	23.04	1	#0	23.12	1	#0	23.01	0
		1	#2	22.95	1	#7	22.95	1	#12	22.10	1	#25	22.86	1	#36	23.00	1	#49	22.86	0
		1	#5	22.90	1	#14	22.15	1	#24	22.03	1	#49	22.74	1	#74	22.64	1	#99	22.51	0
		3	#0	22.98	8	#0	21.69	12	#0	21.78	25	#0	21.82	36	#0	21.96	50	#0	21.86	0-1
		3	#2	22.50	8	#4	21.87	12	#6	21.78	25	#12	21.65	36	#18	21.80	50	#24	21.80	0-1
		3	#3	22.31	8	#7	21.80	12	#13	21.56	25	#25	21.87	36	#37	21.77	50	#49	21.77	0-1
		6	#0	21.98	15	#0	21.85	25	#0	21.86	50	#0	21.89	75	#0	21.74	100	#0	21.76	0-1
	16QAM	1	#0	21.96	1	#0	21.77	1	#0	21.93	1	#0	21.97	1	#0	22.00	1	#0	20.84	0-1
		1	#2	21.82	1	#7	21.52	1	#12	21.81	1	#25	21.71	1	#36	21.78	1	#49	20.81	0-1
		1	#5	21.70	1	#14	21.31	1	#24	21.23	1	#49	21.53	1	#74	21.53	1	#99	20.64	0-1
		3	#0	21.03	8	#0	20.70	12	#0	20.80	25	#0	21.00	36	#0	21.10	50	#0	20.30	0-2
		3	#2	20.64	8	#4	20.36	12	#6	20.61	25	#12	20.86	36	#18	20.89	50	#24	20.03	0-2
		3	#3	20.53	8	#7	20.15	12	#13	20.31	25	#25	20.31	36	#37	20.71	50	#49	19.96	0-2
		6	#0	20.30	15	#0	20.03	25	#0	20.10	50	#0	20.15	75	#0	20.31	100	#0	19.87	0-2

LTE Band 5		1.4MHz			3MHz			5MHz			10MHz			MPR	
Channel	Modulation	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max		
		No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power		
		CH20407 (824.7MHz)			CH20415 (825.5MHz)			CH20425 (826.5MHz)			CH20450 (829MHz)				
Low	QPSK	1	#0	22.84	1	#0	22.73	1	#0	22.55	1	#0	22.82	0	
		1	#2	22.79	1	#7	22.36	1	#12	22.42	1	#25	22.78	0	
		1	#5	22.81	1	#14	22.15	1	#24	22.13	1	#49	22.50	0	
		3	#0	22.85	8	#0	21.80	12	#0	21.63	25	#0	21.76	0-1	
		3	#2	22.80	8	#4	21.77	12	#6	21.52	25	#12	21.71	0-1	
		3	#3	21.75	8	#7	21.23	12	#13	21.60	25	#25	21.53	0-1	
		16QAM	6	#0	21.72	15	#0	21.79	25	#0	21.71	50	#0	22.07	0-1
			1	#0	21.96	1	#0	21.56	1	#0	21.82	1	#0	21.62	0-1
			1	#2	21.82	1	#7	21.30	1	#12	21.76	1	#25	21.30	0-1
			1	#5	21.53	1	#14	21.15	1	#24	21.53	1	#49	21.02	0-1
			3	#0	20.98	8	#0	20.98	12	#0	21.02	25	#0	20.52	0-2
			3	#2	20.71	8	#4	20.71	12	#6	20.93	25	#12	20.31	0-2
			3	#3	20.53	8	#7	20.50	12	#13	20.86	25	#25	20.01	0-2
			6	#0	20.10	15	#0	20.11	25	#0	20.61	50	#0	19.98	0-2
Mid	QPSK	CH20525 (836.5MHz)			CH20525 (836.5MHz)			CH 0525 (836.5MHz)			CH20525 (836.5MHz)			MPR	
		1	#0	23.51	1	#0	23.90	1	#0	23.77	1	#0	23.76	0	
		1	#2	23.36	1	#7	23.81	1	#12	23.42	1	#25	23.52	0	
		1	#5	23.18	1	#14	23.77	1	#24	23.10	1	#49	23.14	0	
		3	#0	23.57	8	#0	22.70	12	#0	22.77	25	#0	22.75	0-1	
		3	#2	22.87	8	#4	22.65	12	#6	22.75	25	#12	22.70	0-1	
		3	#3	22.50	8	#7	22.71	12	#13	22.69	25	#25	22.65	0-1	
		16QAM	6	#0	22.47	15	#0	22.72	25	#0	22.60	50	#0	22.61	0-1
			1	#0	22.59	1	#0	22.65	1	#0	22.41	1	#0	22.50	0-1
			1	#2	22.51	1	#7	22.52	1	#12	22.14	1	#25	22.14	0-1
			1	#5	22.10	1	#14	22.11	1	#24	22.01	1	#49	22.00	0-1
			3	#0	21.65	8	#0	21.86	12	#0	21.67	25	#0	21.35	0-2
			3	#2	21.32	8	#4	21.30	12	#6	21.54	25	#12	21.31	0-2
			3	#3	21.20	8	#7	21.15	12	#13	21.30	25	#25	20.64	0-2
		6	#0	20.91	15	#0	21.03	25	#0	20.67	50	#0	20.60	0-2	



		CH20643 (848.3MHz)			CH20635 (847.5MHz)			CH20625 (846.5MHz)			CH20600 (844MHz)			MPR
High	QPSK	1	#0	23.24	1	#0	22.78	1	#0	22.13	1	#0	23.19	0
		1	#2	23.20	1	#7	22.61	1	#12	22.00	1	#25	23.11	0
		1	#5	23.11	1	#14	22.12	1	#24	21.98	1	#49	22.99	0
		3	#0	23.31	8	#0	21.87	12	#0	21.46	25	#0	21.73	0-1
		3	#2	22.99	8	#4	21.61	12	#6	21.36	25	#12	21.70	0-1
		3	#3	22.49	8	#7	21.50	12	#13	21.70	25	#25	21.65	0-1
		6	#0	22.34	15	#0	22.15	25	#0	21.73	50	#0	21.63	0-1
	16QAM	1	#0	22.01	1	#0	21.82	1	#0	22.24	1	#0	22.03	0-1
		1	#2	21.95	1	#7	21.77	1	#12	22.03	1	#25	21.98	0-1
		1	#5	21.56	1	#14	21.53	1	#24	21.97	1	#49	21.73	0-1
		3	#0	21.02	8	#0	21.41	12	#0	21.50	25	#0	21.10	0-2
		3	#2	20.87	8	#4	21.01	12	#6	21.37	25	#12	20.85	0-2
		3	#3	20.78	8	#7	20.69	12	#13	21.03	25	#25	20.81	0-2
		6	#0	20.30	15	#0	20.38	25	#0	20.89	50	#0	20.60	0-2

LTE Band 12		1.4MHz			3MHz			5MHz			10MHz			MPR
Channel	Modulation	RB	RB	Max	RB	RB	Max	RB	RB	Max	RB	RB	Max	
		No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	No.	Offset	Power	
		CH23017 (699.7MHz)			CH23025 (700.5MHz)			CH23035 (701.5MHz)			CH23060 (704MHz)			
Low	QPSK	1	#0	23.72	1	#0	23.74	1	#0	23.29	1	#0	23.57	0
		1	#2	23.70	1	#7	23.64	1	#12	23.20	1	#25	23.41	0
		1	#5	23.67	1	#14	23.51	1	#24	23.01	1	#49	23.16	0
		3	#0	23.65	8	#0	22.80	12	#0	22.68	25	#0	22.63	0-1
		3	#2	23.12	8	#4	22.77	12	#6	22.54	25	#12	22.65	0-1
		3	#3	22.70	8	#7	22.71	12	#13	22.31	25	#25	22.70	0-1
		6	#0	22.68	15	#0	22.66	25	#0	22.73	50	#0	22.68	0-1
	16QAM	1	#0	22.70	1	#0	22.69	1	#0	22.76	1	#0	22.65	0-1
		1	#2	22.64	1	#7	22.56	1	#12	22.51	1	#25	22.57	0-1
		1	#5	22.51	1	#14	22.34	1	#24	22.30	1	#49	22.43	0-1
		3	#0	22.00	8	#0	21.87	12	#0	21.65	25	#0	21.60	0-2
		3	#2	21.95	8	#4	21.78	12	#6	21.35	25	#12	21.32	0-2
		3	#3	21.71	8	#7	21.35	12	#13	21.22	25	#25	21.27	0-2
		6	#0	21.30	15	#0	21.03	25	#0	21.01	50	#0	21.14	0-2
Mid	QPSK	CH23095 (707.5MHz)			CH23095 (707.5MHz)			CH23095 (707.5MHz)			CH23095 (707.5MHz)			MPR
		1	#0	24.05	1	#0	23.91	1	#0	23.92	1	#0	23.76	0
		1	#2	23.80	1	#7	23.70	1	#12	23.52	1	#25	23.61	0
		1	#5	23.79	1	#14	23.51	1	#24	23.14	1	#49	23.21	0
		3	#0	23.77	8	#0	22.90	12	#0	22.99	25	#0	22.97	0-1
		3	#2	23.00	8	#4	22.87	12	#6	22.95	25	#12	22.90	0-1
		3	#3	22.94	8	#7	22.61	12	#13	22.97	25	#25	22.75	0-1
	6	#0	22.93	15	#0	22.95	25	#0	22.99	50	#0	22.88	0-1	
	16QAM	1	#0	22.98	1	#0	23.11	1	#0	22.56	1	#0	22.76	0-1
		1	#2	22.85	1	#7	22.86	1	#12	22.42	1	#25	22.59	0-1
		1	#5	22.71	1	#14	22.61	1	#24	22.11	1	#49	22.31	0-1
		3	#0	22.36	8	#0	22.21	12	#0	21.70	25	#0	22.10	0-2
		3	#2	22.02	8	#4	22.01	12	#6	21.32	25	#12	22.03	0-2
		3	#3	21.93	8	#7	21.65	12	#13	21.15	25	#25	21.69	0-2
6		#0	21.73	15	#0	21.39	25	#0	21.03	50	#0	21.51	0-2	

		CH23173 (715.3MHz)			CH23165 (714.5MHz)			CH23155 (713.5MHz)			CH23130 (711MHz)			MPR
High	QPSK	1	#0	23.94	1	#0	23.70	1	#0	23.52	1	#0	24.04	0
		1	#2	23.85	1	#7	23.57	1	#12	23.21	1	#25	23.56	0
		1	#5	23.71	1	#14	23.16	1	#24	23.06	1	#49	23.41	0
		3	#0	24.04	8	#0	22.88	12	#0	22.75	25	#0	23.05	0-1
		3	#2	23.40	8	#4	22.87	12	#6	22.80	25	#12	22.97	0-1
		3	#3	23.15	8	#7	22.78	12	#13	22.81	25	#25	22.86	0-1
		6	#0	22.82	15	#0	22.90	25	#0	22.78	50	#0	22.84	0-1
	16QAM	1	#0	23.12	1	#0	22.70	1	#0	22.87	1	#0	22.66	0-1
		1	#2	22.88	1	#7	22.35	1	#12	22.30	1	#25	22.51	0-1
		1	#5	22.71	1	#14	22.10	1	#24	22.01	1	#49	22.37	0-1
		3	#0	22.52	8	#0	21.95	12	#0	21.86	25	#0	22.10	0-2
		3	#2	22.15	8	#4	21.80	12	#6	21.36	25	#12	21.60	0-2
		3	#3	22.00	8	#7	21.63	12	#13	21.20	25	#25	21.20	0-2
		6	#0	21.96	15	#0	21.23	25	#0	20.98	50	#0	20.88	0-2

**Radiated Power**

LTE Band2 (Low Channel)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH18607 / 1850.7MHz, Bandwidth 1.4MHz							
1850.7	H	18.84	1.07	4.61	22.39	33	-10.61
1850.7	V	16.50	1.07	4.61	20.05	33	-12.95
QPSK, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	18.45	1.07	4.59	21.97	33	-11.03
1851.5	V	16.50	1.07	4.59	20.02	33	-12.98
QPSK, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	18.08	1.07	4.56	21.57	33	-11.43
1852.5	V	16.47	1.07	4.56	19.96	33	-13.04
QPSK, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	17.56	1.07	4.56	21.05	33	-11.95
1855	V	17.06	1.07	4.56	20.55	33	-12.45
QPSK, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	17.79	1.07	4.56	21.28	33	-11.72
1857.5	V	17.11	1.07	4.56	20.60	33	-12.40
QPSK, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	15.84	1.07	4.56	19.33	33	-13.67
1860	V	14.68	1.07	4.56	18.17	33	-14.83

**NOTES:**

- ERP (dBm) / EIRP (dBm)=  
SG Reading (dBm) - Cable Loss (dB) + Substitute Antenna Gain (dBd/dBi)
- This unit was tested with its standard adapter.
- The EUT was tested in three orthogonal planes and in all possible test configurations and positioning.

LTE Band2 (Low Channel)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
16QAM, CH18607 / 1850.7MHz, Bandwidth 1.4MHz							
1850.7	H	18.66	1.07	4.61	22.21	33	-10.79
1850.7	V	16.38	1.07	4.61	19.93	33	-13.07
16QAM, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	18.16	1.07	4.59	21.68	33	-11.32
1851.5	V	16.35	1.07	4.59	19.87	33	-13.13
16QAM, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	17.89	1.07	4.56	21.38	33	-11.62
1852.5	V	16.30	1.07	4.56	19.79	33	-13.21
16QAM, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	17.36	1.07	4.56	20.85	33	-12.15
1855	V	16.78	1.07	4.56	20.27	33	-12.73
16QAM, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	17.54	1.07	4.56	21.03	33	-11.97
1857.5	V	16.80	1.07	4.56	20.29	33	-12.71
16QAM, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	15.54	1.07	4.56	19.03	33	-13.97
1860	V	14.39	1.07	4.56	17.88	33	-15.12

**NOTES:**

1. ERP (dBm) / EIRP (dBm)=  
SG Reading (dBm) - Cable Loss (dB) + Substitute Antenna Gain (dBd/dBi)
2. This unit was tested with its standard adapter.
3. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning.