

LTE Band 4 QPSK 1.4MHz CH19957 1RB#0



LTE Band 4 QPSK 1.4MHz CH19957 6RB#0



LTE Band 4 QPSK 3MHz CH19965 1RB#0



LTE Band 4 QPSK 3MHz CH19965 15RB#0



LTE Band 4 QPSK 5MHz CH19975 1RB#0



LTE Band 4 QPSK 5MHz CH19975 25RB#0



LTE Band 4 QPSK 10MHz CH20000 1RB#0



LTE Band 4 QPSK 10MHz CH20000 50RB#0



LTE Band 4 QPSK 15MHz CH20025 1RB#0



LTE Band 4 QPSK 15MHz CH20025 75RB#0



LTE Band 4 QPSK 20MHz CH20050 1RB#0



LTE Band 4 QPSK 20MHz CH20050 100RB#0



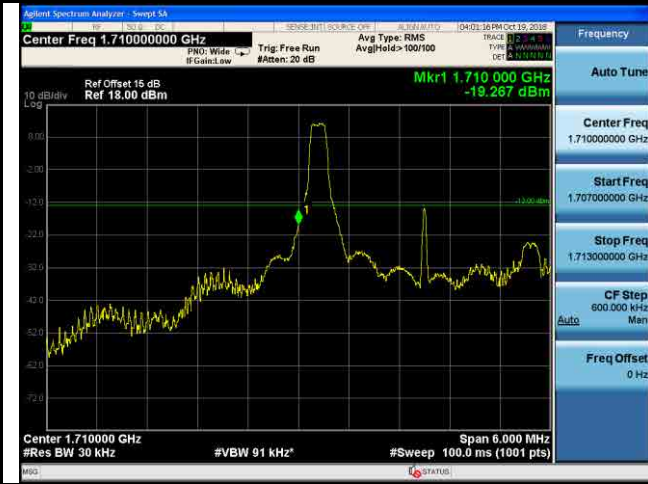
LTE Band 4 16QAM 1.4MHz CH19957 1RB#0



LTE Band 4 16QAM 1.4MHz CH19957 6RB#0



LTE Band 4 16QAM 3MHz CH19965 1RB#0



LTE Band 4 16QAM 3MHz CH19965 15RB#0



LTE Band 4 16QAM 5MHz CH19975 1RB#0



LTE Band 4 16QAM 5MHz CH19975 25RB#0



LTE Band 4 16QAM 10MHz CH20000 1RB#0



LTE Band 4 16QAM 10MHz CH20000 50RB#0



LTE Band 4 16QAM 15MHz CH20025 1RB#0



LTE Band 4 16QAM 15MHz CH20025 75RB#0



LTE Band 4 16QAM 20MHz CH20050 1RB#0



LTE Band 4 16QAM 20MHz CH20050 100RB#0



LTE Band 4 QPSK 1.4MHz CH20393 1RB#5



LTE Band 4 QPSK 1.4MHz CH20393 6RB#0



LTE Band 4 QPSK 3MHz CH20385 1RB#14



LTE Band 4 QPSK 3MHz CH20385 15RB#0



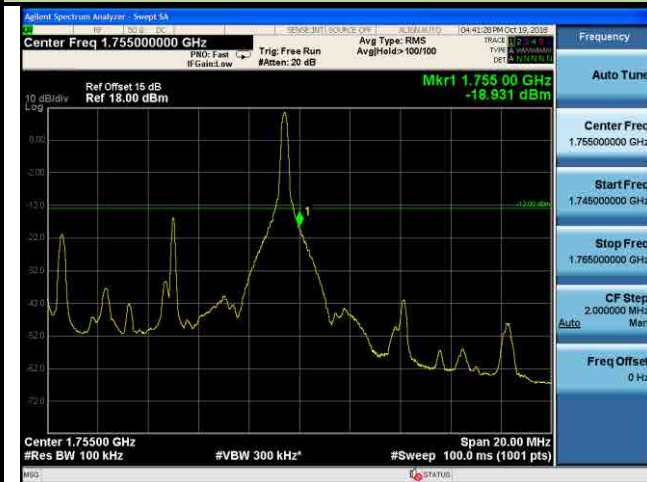
LTE Band 4 QPSK 5MHz CH20375 1RB#24



LTE Band 4 QPSK 5MHz CH20375 25RB#0



LTE Band 4 QPSK 10MHz CH20350 1RB#49



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LTE Band 4 QPSK 15MHz CH20325 1RB#74



LTE Band 4 QPSK 15MHz CH20325 75RB#0



LTE Band 4 QPSK 20MHz CH20300 1RB#99



LTE Band 4 QPSK 20MHz CH20300 100RB#0



LTE Band 4 16QAM 1.4MHz CH20393 1RB#5



LTE Band 4 16QAM 1.4MHz CH20393 6RB#0



LTE Band 4 16QAM 3MHz CH20385 1RB#14



LTE Band 4 16QAM 3MHz CH20385 15RB#0



LTE Band 4 16QAM 5MHz CH20375 1RB#24



LTE Band 4 16QAM 5MHz CH20375 25RB#0



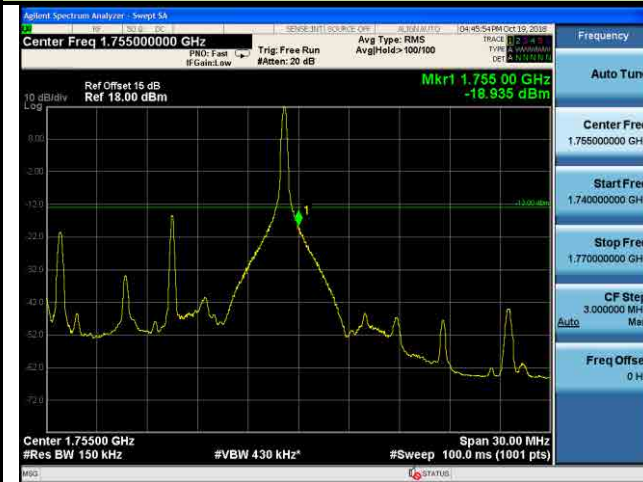
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LTE Band 4 16QAM 10MHz CH20350 50RB#0



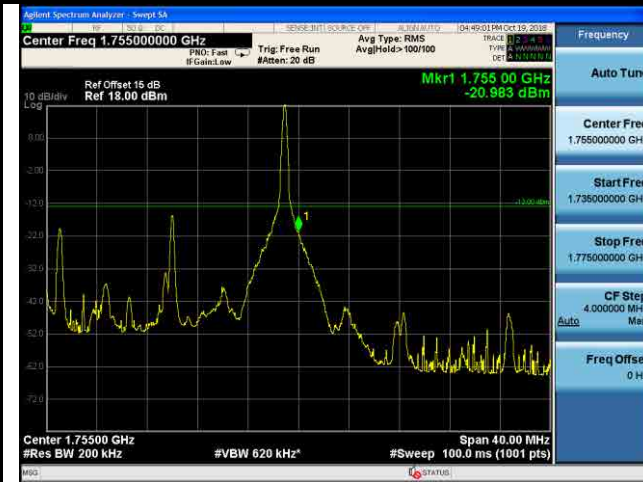
LTE Band 4 16QAM 15MHz CH20325 1RB#74



LTE Band 4 16QAM 15MHz CH20325 75RB#0



LTE Band 4 16QAM 20MHz CH20300 1RB#99



LTE Band 4 16QAM 20MHz CH20300 100RB#0



Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 5 (Low Channel)	QPSK	CH20407 / 824.7MHz	1.4	1	0	Pass
				6	0	Pass
		CH20415 / 825.5MHz	3	1	0	Pass
				15	0	Pass
		CH20425 / 826.5MHz	5	1	0	Pass
				25	0	Pass
		CH20450 / 829MHz	10	1	0	Pass
				50	0	Pass
	16QAM	CH20407 / 824.7MHz	1.4	1	0	Pass
				6	0	Pass
		CH20415 / 825.5MHz	3	1	0	Pass
				15	0	Pass
		CH20425 / 826.5MHz	5	1	0	Pass
				25	0	Pass
		CH20450 / 829MHz	10	1	0	Pass
				50	0	Pass

Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 5 (High Channel)	QPSK	CH20643 / 848.3MHz	1.4	1	5	Pass
				6	0	Pass
		CH20635 / 847.5MHz	3	1	14	Pass
				15	0	Pass
		CH20625 / 846.5MHz	5	1	24	Pass
				25	0	Pass
		CH20600 / 844MHz	10	1	49	Pass
				50	0	Pass
	16QAM	CH20643 / 848.3MHz	1.4	1	5	Pass
				6	0	Pass
		CH20635 / 847.5MHz	3	1	14	Pass
				15	0	Pass
		CH20625 / 846.5MHz	5	1	24	Pass
				25	0	Pass
		CH20600 / 844MHz	10	1	49	Pass
				50	0	Pass

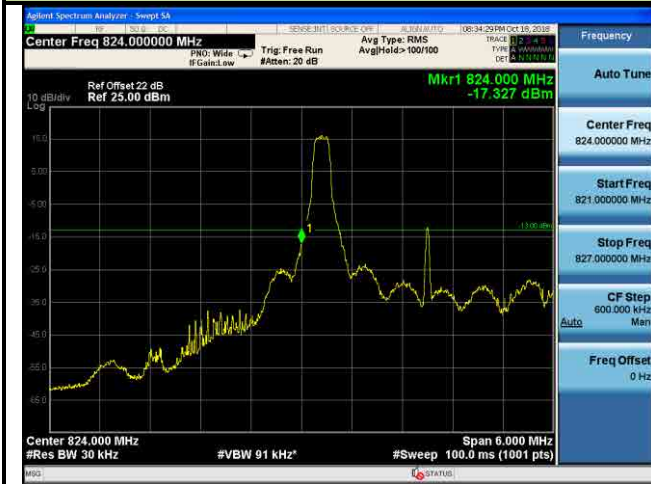
LTE Band 5 QPSK 1.4MHz CH20407 1RB#0



LTE Band 5 QPSK 1.4MHz CH20407 6RB#0



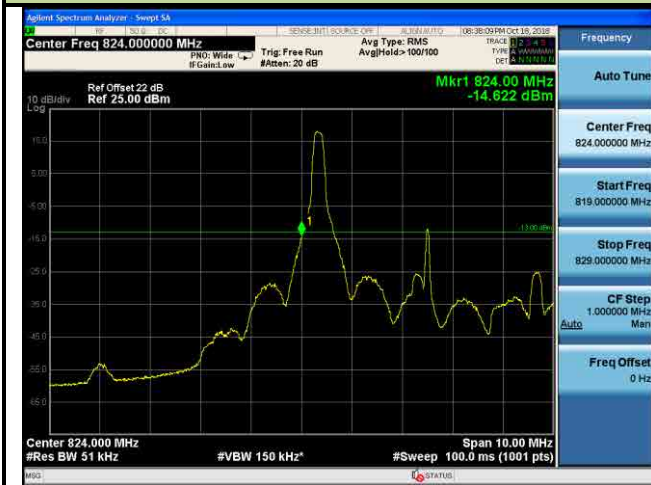
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LTE Band 5 QPSK 3MHz CH20415 15RB#0

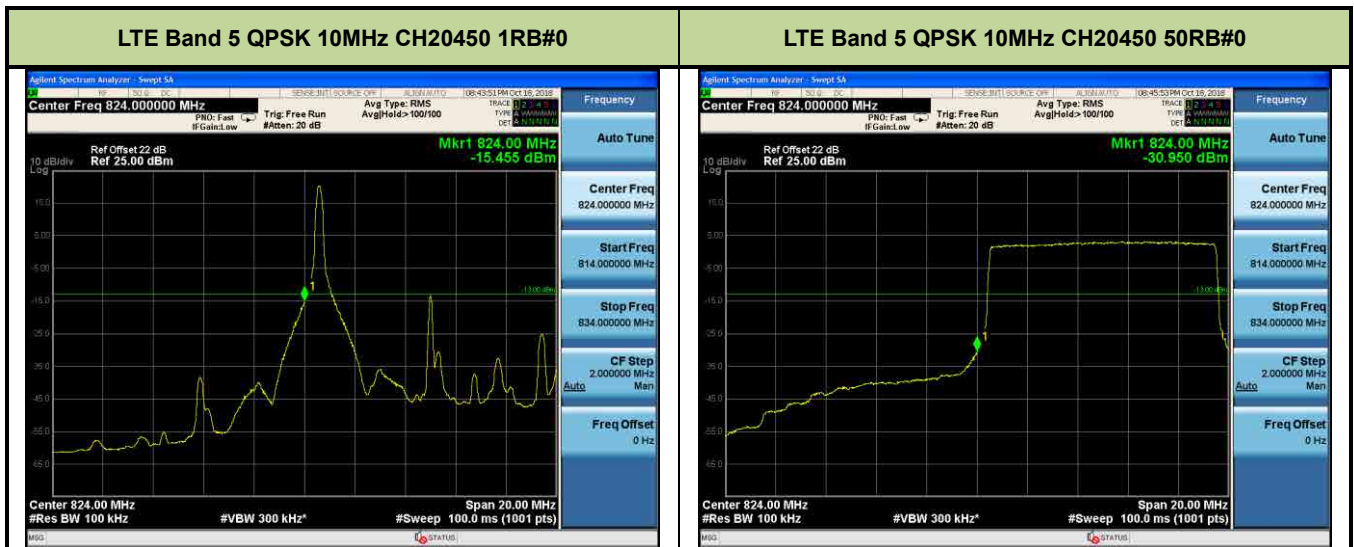


LTE Band 5 QPSK 5MHz CH20425 1RB#0



LTE Band 5 QPSK 5MHz CH20425 25RB#0





LTE Band 5 16QAM 1.4MHz CH20407 1RB#0



LTE Band 5 16QAM 1.4MHz CH20407 6RB#0



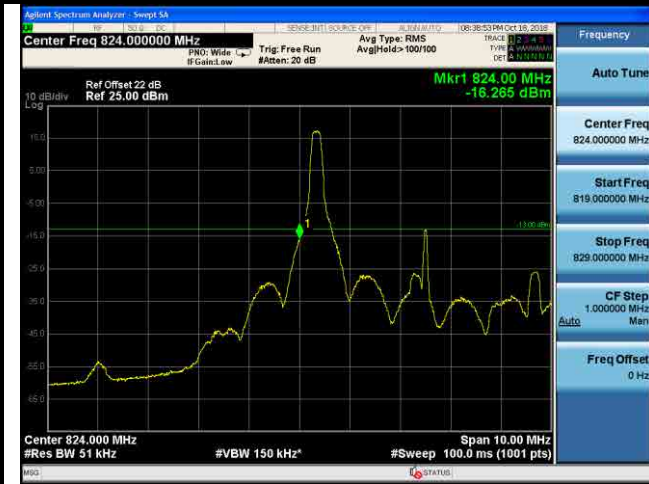
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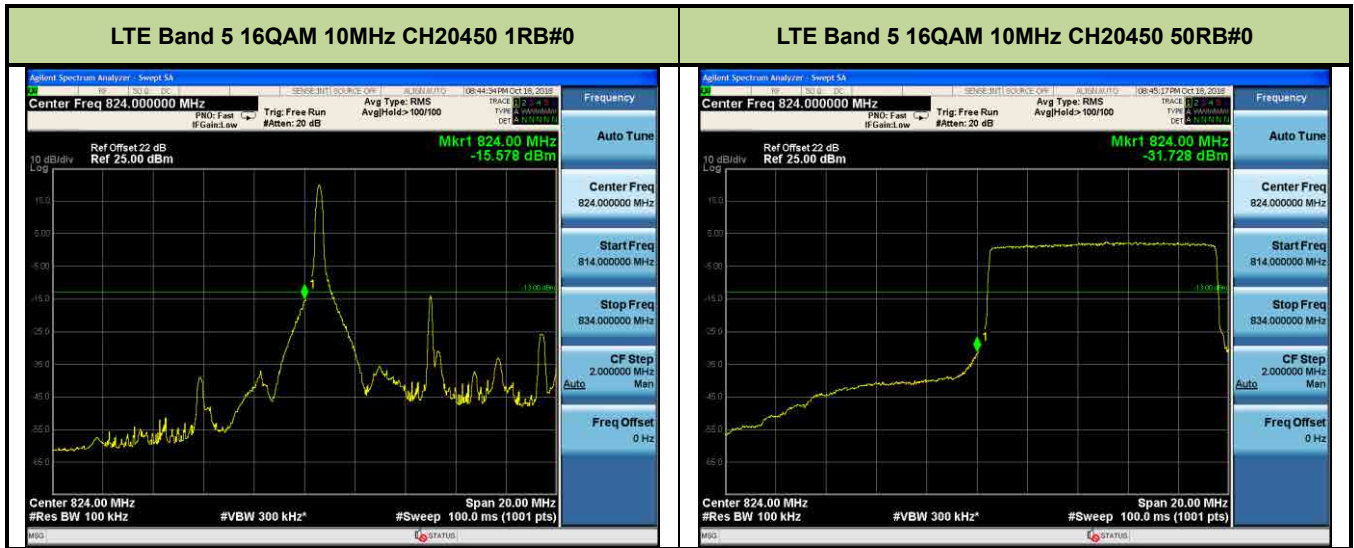


LTE Band 5 16QAM 5MHz CH20425 1RB#0



LTE Band 5 16QAM 5MHz CH20425 25RB#0





LTE Band 5 QPSK 1.4MHz CH20643 1RB#5



LTE Band 5 QPSK 1.4MHz CH20643 6RB#0



LTE Band 5 QPSK 3MHz CH20635 1RB#14



LTE Band 5 QPSK 3MHz CH20635 15RB#0

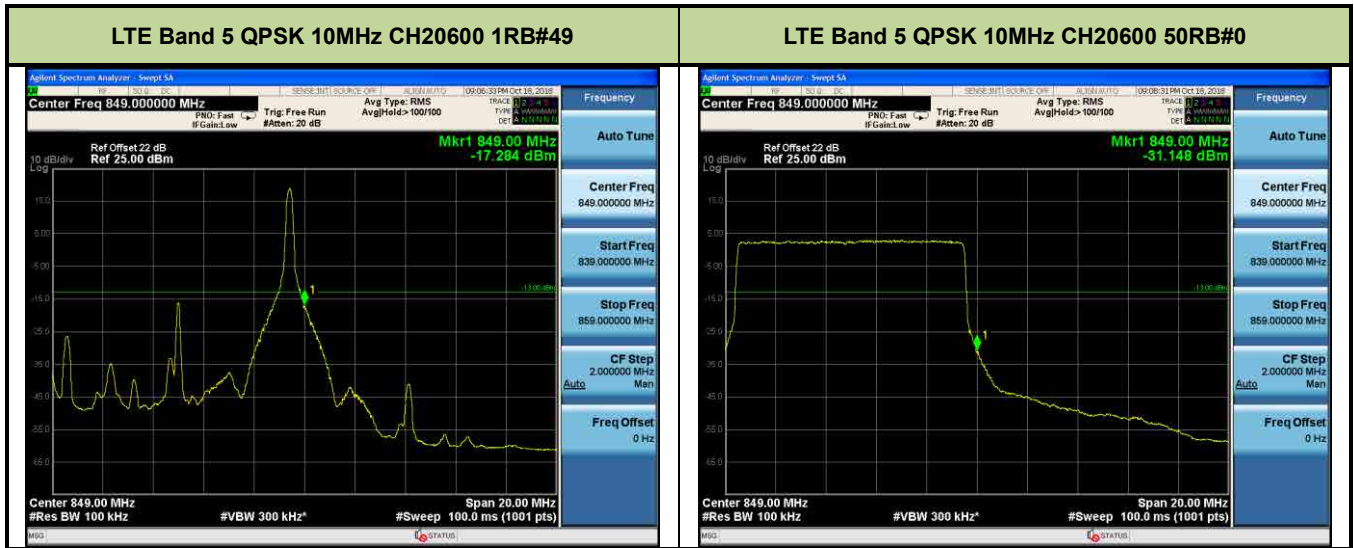


LTE Band 5 QPSK 5MHz CH20625 1RB#24



LTE Band 5 QPSK 5MHz CH20625 25RB#0





LTE Band 5 16QAM 1.4MHz CH20643 1RB#5



LTE Band 5 16QAM 1.4MHz CH20643 6RB#0



LTE Band 5 16QAM 3MHz CH20635 1RB#14



LTE Band 5 16QAM 3MHz CH20635 15RB#0

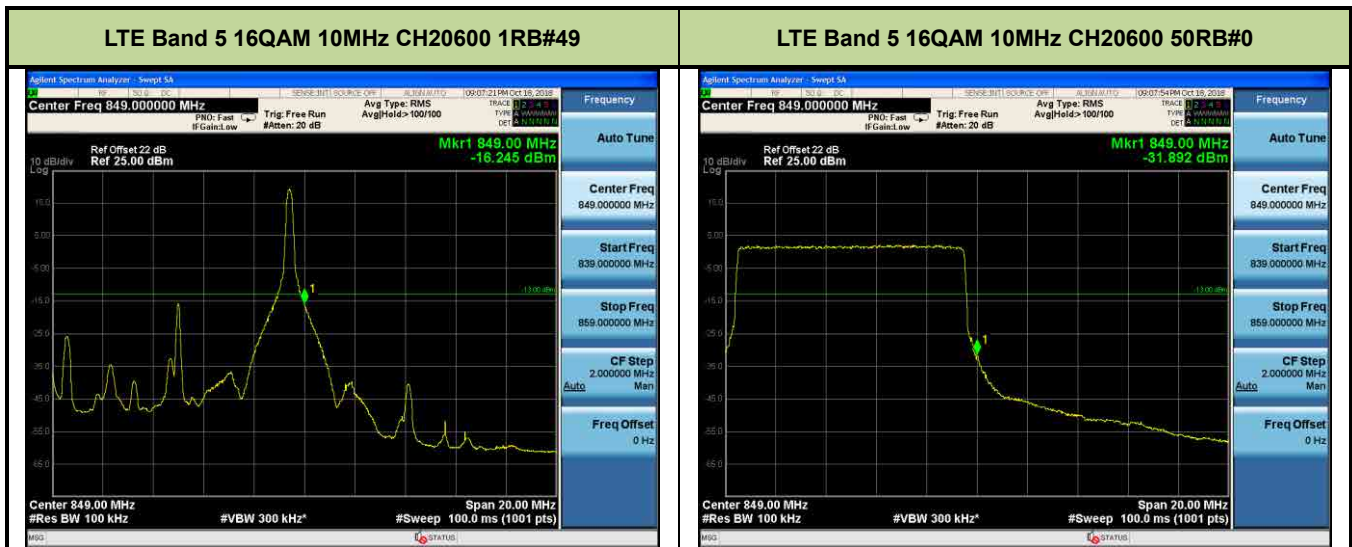


LTE Band 5 16QAM 5MHz CH20625 1RB#24



LTE Band 5 16QAM 5MHz CH20625 25RB#0





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

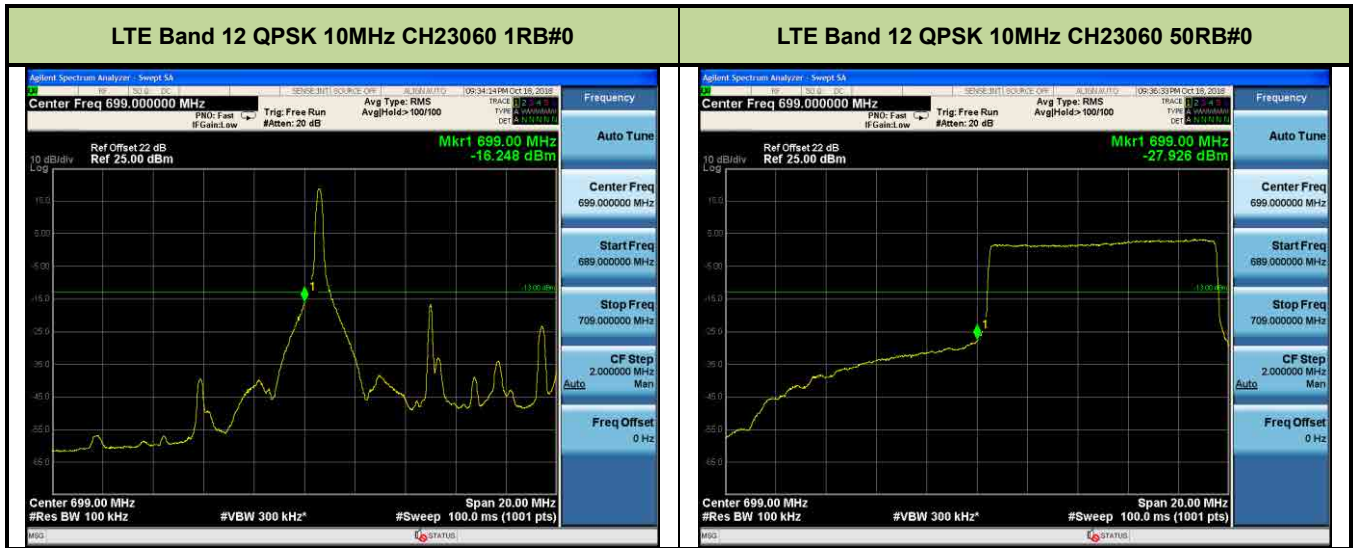


LTE Band 12 QPSK 5MHz CH23035 1RB#0



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

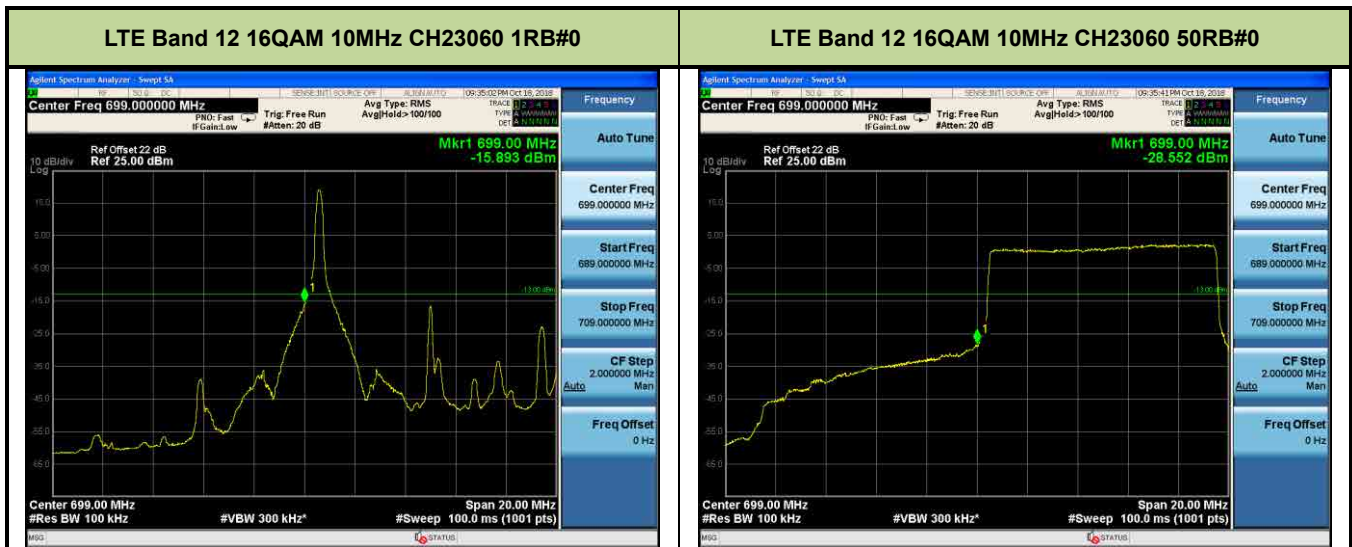


LTE Band 12 16QAM 5MHz CH23035 1RB#0



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





LTE Band 12 QPSK 1.4MHz CH23173 1RB#5



LTE Band 12 QPSK 1.4MHz CH23173 6RB#0



LTE Band 12 QPSK 3MHz CH23165 1RB#14



LTE Band 12 QPSK 3MHz CH23165 15RB#0

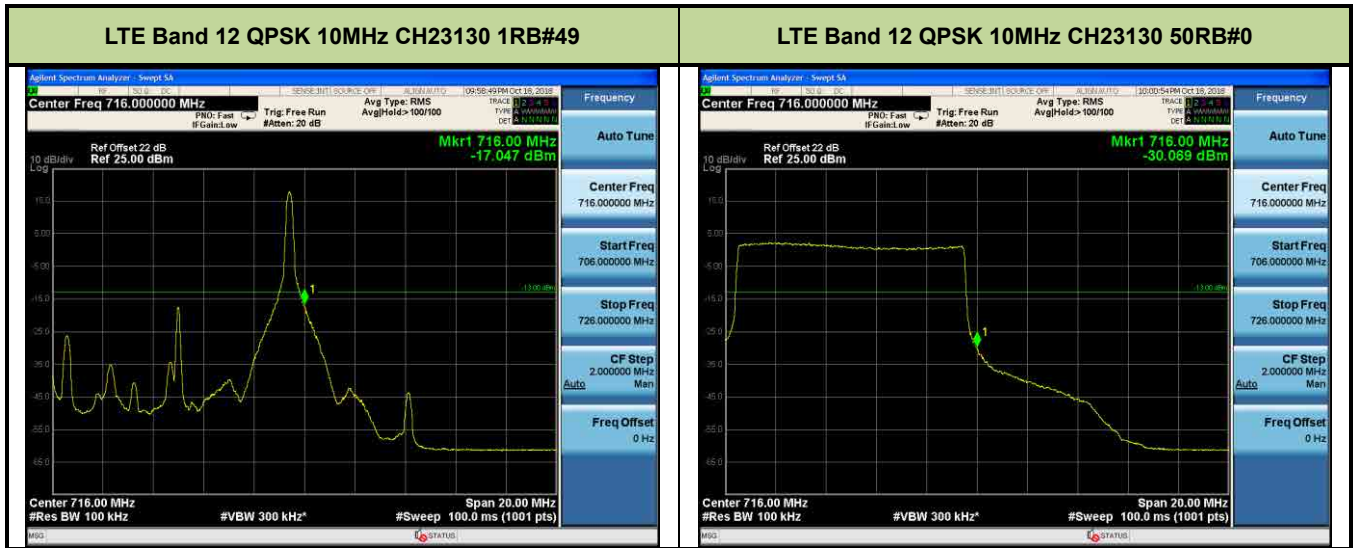


LTE Band 12 QPSK 5MHz CH23155 1RB#24

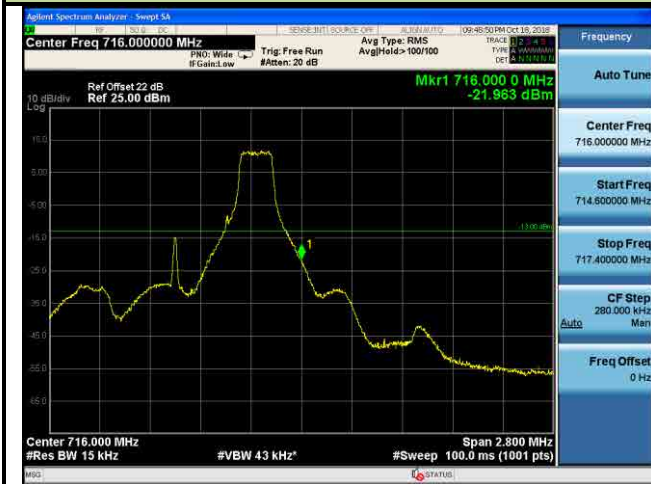


LTE Band 12 QPSK 5MHz CH23155 25RB#0





LTE Band 12 16QAM 1.4MHz CH23173 1RB#5



LTE Band 12 16QAM 1.4MHz CH23173 6RB#0



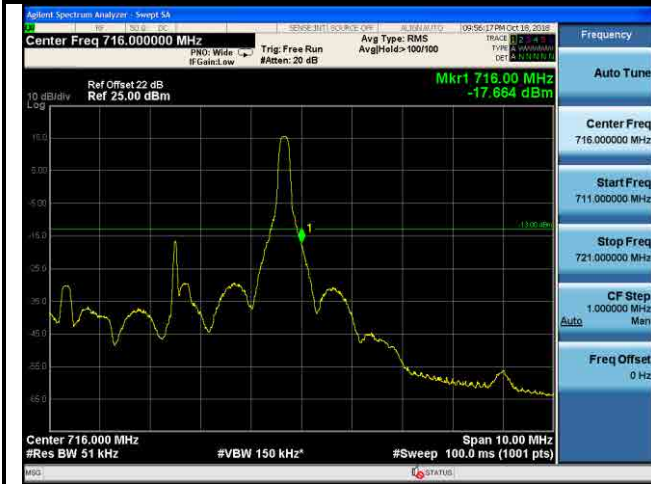
LTE Band 12 16QAM 3MHz CH23165 1RB#14



LTE Band 12 16QAM 3MHz CH23165 15RB#0

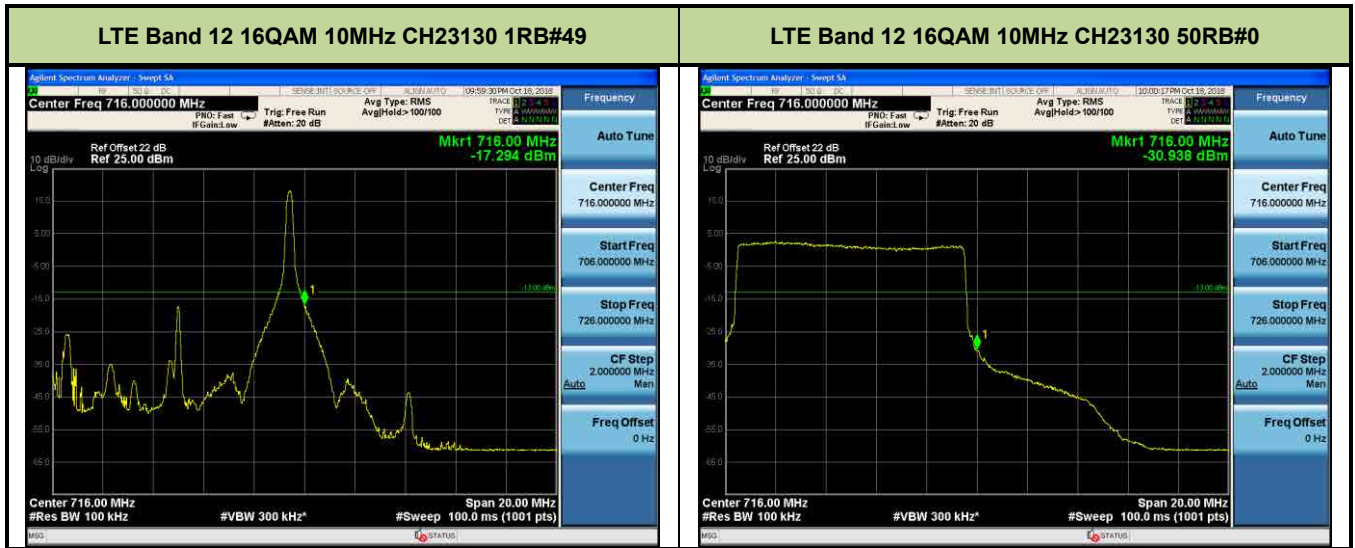


LTE Band 12 16QAM 5MHz CH23155 1RB#24



LTE Band 12 16QAM 5MHz CH23155 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 7.0 & ANSI/TIA-603-E-2016

7.5.3 Test Setting

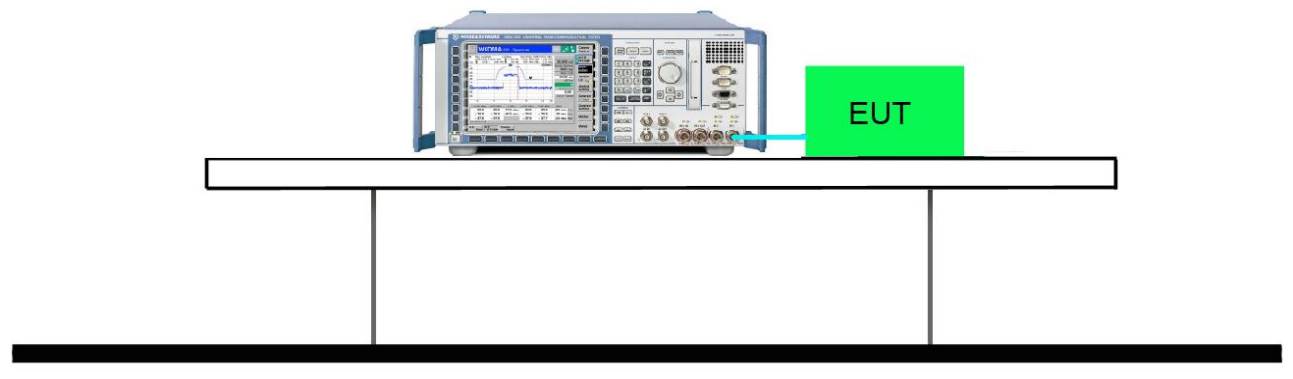
1. The EUT shall be placed at the specified height on a support, and in the position closest to normal use as declared by provider.
2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter
3. The output of the test 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.

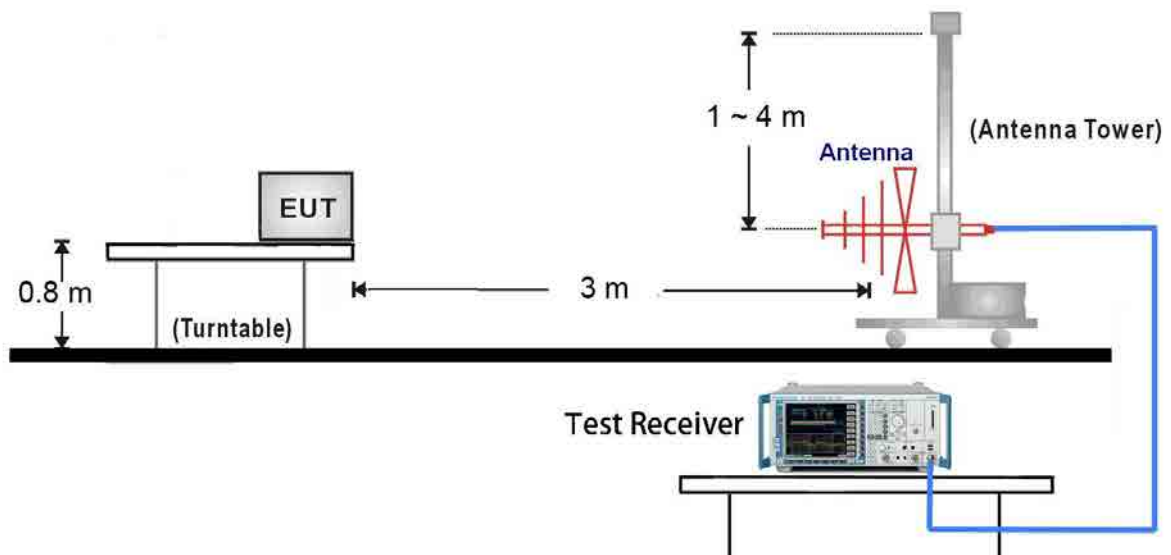
7.5.4 Test Setup

Conducted Power

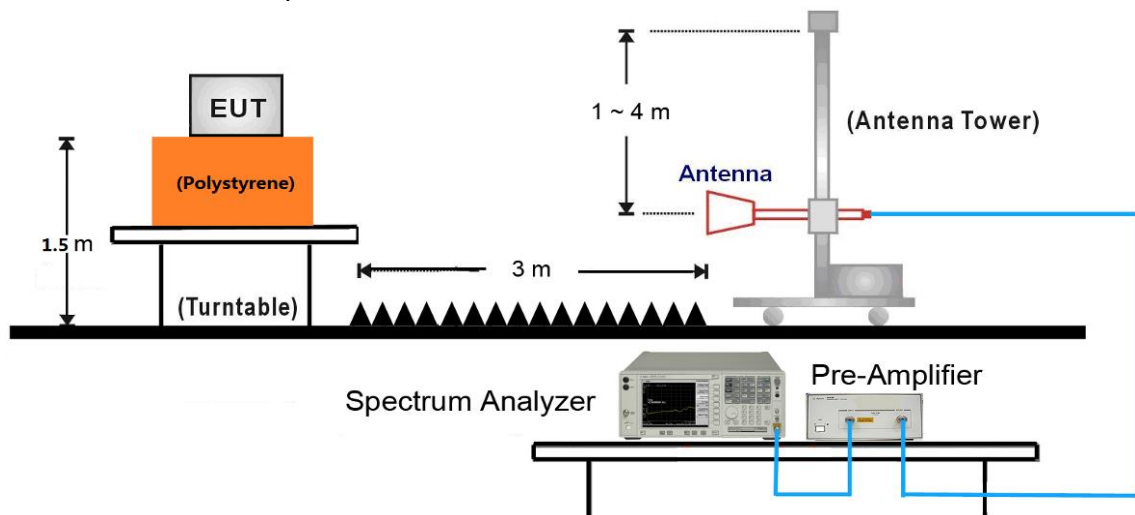


Radiated Power & Radiated Spurious Emissions

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	
		18607 (1850.7MHz)			18615 (1851.5MHz)			18625 (1852.5MHz)			18650 (1855MHz)			18675 (1857.5MHz)			18700 (1860MHz)			
Low	QPSK	1	#0	21.98	1	#0	21.94	1	#0	22.05	1	#0	22.20	1	#0	22.44	1	#0	22.49	0
		1	#2	21.95	1	#7	21.82	1	#12	21.78	1	#25	21.89	1	#36	22.02	1	#49	22.20	0
		1	#5	21.92	1	#14	21.55	1	#24	21.56	1	#49	21.76	1	#74	21.95	1	#99	22.12	0
		3	#0	21.90	8	#0	20.99	12	#0	20.96	25	#0	20.96	36	#0	21.14	50	#0	21.02	0-1
		3	#2	21.32	8	#4	20.92	12	#6	20.92	25	#12	20.95	36	#18	21.12	50	#24	20.98	0-1
		3	#3	21.01	8	#7	20.87	12	#13	20.91	25	#25	20.94	36	#37	21.10	50	#49	20.96	0-1
		6	#0	20.92	15	#0	20.82	25	#0	20.90	50	#0	20.92	75	#0	21.06	100	#0	20.95	0-1
	16QAM	1	#0	21.68	1	#0	21.90	1	#0	21.94	1	#0	21.98	1	#0	22.14	1	#0	22.25	0-1
		1	#2	21.55	1	#7	21.73	1	#12	21.67	1	#25	21.77	1	#36	21.93	1	#49	22.10	0-1
		1	#5	21.42	1	#14	21.23	1	#24	21.41	1	#49	21.52	1	#74	21.00	1	#99	22.01	0-1
		3	#0	21.87	8	#0	20.87	12	#0	20.87	25	#0	20.76	36	#0	21.08	50	#0	20.99	0-2
		3	#2	21.21	8	#4	20.76	12	#6	20.85	25	#12	20.71	36	#18	21.06	50	#24	20.90	0-2
		3	#3	20.94	8	#7	20.54	12	#13	20.73	25	#25	20.62	36	#37	20.99	50	#49	20.88	0-2
		6	#0	20.88	15	#0	20.21	25	#0	20.62	50	#0	20.55	75	#0	20.95	100	#0	20.65	0-2
Mid	QPSK	18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			MPR
		1	#0	22.21	1	#0	22.18	1	#0	22.23	1	#0	22.37	1	#0	22.65	1	#0	22.67	0
		1	#2	22.15	1	#7	22.16	1	#12	22.15	1	#25	22.30	1	#36	22.41	1	#49	22.52	0
		1	#5	22.13	1	#14	22.15	1	#24	22.08	1	#49	22.22	1	#74	22.35	1	#99	22.41	0
		3	#0	22.12	8	#0	21.14	12	#0	21.12	25	#0	21.18	36	#0	21.32	50	#0	21.36	0-1
		3	#2	22.11	8	#4	21.10	12	#6	21.10	25	#12	21.11	36	#18	21.28	50	#24	21.21	0-1
		3	#3	22.10	8	#7	21.09	12	#13	21.08	25	#25	21.08	36	#37	21.17	50	#49	21.17	0-1
		6	#0	21.09	15	#0	21.08	25	#0	21.06	50	#0	21.05	75	#0	21.10	100	#0	21.11	0-1
	16QAM	1	#0	22.12	1	#0	22.18	1	#0	22.11	1	#0	22.25	1	#0	22.43	1	#0	22.51	0-1
		1	#2	22.01	1	#7	22.05	1	#12	22.08	1	#25	22.21	1	#36	22.37	1	#49	22.34	0-1
		1	#5	21.98	1	#14	22.01	1	#24	22.01	1	#49	22.11	1	#74	22.12	1	#99	22.31	0-1
		3	#0	21.95	8	#0	20.89	12	#0	21.10	25	#0	21.15	36	#0	21.14	50	#0	21.32	0-2
		3	#2	21.90	8	#4	20.81	12	#6	21.05	25	#12	21.02	36	#18	21.11	50	#24	21.18	0-2
		3	#3	21.82	8	#7	20.74	12	#13	20.99	25	#25	20.99	36	#37	21.03	50	#49	21.11	0-2
6		#0	21.71	15	#0	20.52	25	#0	20.95	50	#0	20.01	75	#0	20.93	100	#0	21.01	0-2	

High	QPSK	19193 (1909.3MHz)			19185 (1908.5MHz)			19175 (1907.5MHz)			19150 (1905MHz)			19125 (1902.5MHz)			19100 (1900MHz)			MPR
		1	#0	22.13	1	#0	22.00	1	#0	22.21	1	#0	22.19	1	#0	22.55	1	#0	22.49	0
		1	#2	22.04	1	#7	21.78	1	#12	22.12	1	#25	22.10	1	#36	22.41	1	#49	22.23	0
		1	#5	22.00	1	#14	21.54	1	#24	22.08	1	#49	22.02	1	#74	22.12	1	#99	22.12	0
		3	#0	21.97	8	#0	21.00	12	#0	21.04	25	#0	21.22	36	#0	21.16	50	#0	21.07	0-1
		3	#2	21.92	8	#4	20.99	12	#6	21.03	25	#12	21.18	36	#18	21.09	50	#24	21.02	0-1
		3	#3	21.90	8	#7	20.98	12	#13	21.02	25	#25	21.15	36	#37	21.08	50	#49	20.99	0-1
		6	#0	20.89	15	#0	20.97	25	#0	21.01	50	#0	21.03	75	#0	21.07	100	#0	20.87	0-1
	16QAM	1	#0	22.08	1	#0	21.97	1	#0	22.15	1	#0	22.15	1	#0	22.37	1	#0	22.21	0-1
		1	#2	22.01	1	#7	21.75	1	#12	22.10	1	#25	22.09	1	#36	22.31	1	#49	22.14	0-1
		1	#5	21.98	1	#14	21.45	1	#24	22.02	1	#49	21.96	1	#74	22.02	1	#99	22.09	0-1
		3	#0	21.91	8	#0	20.98	12	#0	21.02	25	#0	21.12	36	#0	21.08	50	#0	21.02	0-2
		3	#2	21.87	8	#4	20.95	12	#6	21.00	25	#12	21.15	36	#18	21.01	50	#24	21.00	0-2
		3	#3	21.71	8	#7	20.90	12	#13	20.95	25	#25	21.09	36	#37	20.98	50	#49	20.76	0-2
		6	#0	21.32	15	#0	20.87	25	#0	20.92	50	#0	21.01	75	#0	20.95	100	#0	20.52	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	22.49	1	#0	22.55	1	#0	22.59	1	#0	22.71	1	#0	22.86	1	#0	22.77	0
		1	#2	22.48	1	#7	22.43	1	#12	22.54	1	#25	22.56	1	#36	22.76	1	#49	22.54	0
		1	#5	22.47	1	#14	22.35	1	#24	22.52	1	#49	22.45	1	#74	22.71	1	#99	22.21	0
		3	#0	22.47	8	#0	21.50	12	#0	21.50	25	#0	21.64	36	#0	21.69	50	#0	21.70	0-1
		3	#2	22.20	8	#4	21.49	12	#6	21.50	25	#12	21.62	36	#18	21.65	50	#24	21.65	0-1
		3	#3	22.01	8	#7	21.48	12	#13	21.49	25	#25	21.58	36	#37	21.63	50	#49	21.58	0-1
		6	#0	21.46	15	#0	21.47	25	#0	21.49	50	#0	21.52	75	#0	21.58	100	#0	21.49	0-1
	16QAM	1	#0	22.35	1	#0	22.32	1	#0	22.52	1	#0	22.53	1	#0	22.80	1	#0	22.68	0-1
		1	#2	22.23	1	#7	22.28	1	#12	22.45	1	#25	22.43	1	#36	22.72	1	#49	22.47	0-1
		1	#5	22.15	1	#14	22.26	1	#24	22.36	1	#49	22.36	1	#74	22.56	1	#99	22.15	0-1
		3	#0	22.21	8	#0	21.42	12	#0	21.34	25	#0	21.54	36	#0	21.56	50	#0	21.65	0-2
		3	#2	22.17	8	#4	21.38	12	#6	21.25	25	#12	21.46	36	#18	21.52	50	#24	21.58	0-2
		3	#3	21.98	8	#7	21.25	12	#13	21.23	25	#25	21.33	36	#37	21.36	50	#49	21.44	0-2
		6	#0	21.76	15	#0	20.99	25	#0	21.02	50	#0	21.23	75	#0	21.22	100	#0	21.21	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	22.45	1	#0	22.33	1	#0	22.55	1	#0	22.57	1	#0	22.50	1	#0	22.75	0
		1	#2	22.36	1	#7	22.26	1	#12	22.45	1	#25	22.52	1	#36	22.37	1	#49	22.50	0
		1	#5	22.32	1	#14	22.14	1	#24	22.41	1	#49	22.47	1	#74	21.57	1	#99	22.41	0
		3	#0	22.26	8	#0	21.41	12	#0	21.42	25	#0	21.54	36	#0	21.52	50	#0	21.58	0-1
		3	#2	22.21	8	#4	21.32	12	#6	21.39	25	#12	21.50	36	#18	21.41	50	#24	21.50	0-1
		3	#3	22.18	8	#7	21.30	12	#13	21.35	25	#25	21.42	36	#37	21.33	50	#49	21.37	0-1
		6	#0	21.42	15	#0	21.29	25	#0	21.33	50	#0	21.30	75	#0	22.61	100	#0	21.39	0-1
	16QAM	1	#0	22.34	1	#0	22.31	1	#0	22.31	1	#0	22.31	1	#0	22.47	1	#0	22.63	0-1
		1	#2	22.30	1	#7	22.24	1	#12	22.28	1	#25	22.23	1	#36	22.21	1	#49	22.41	0-1
		1	#5	22.29	1	#14	22.10	1	#24	22.25	1	#49	22.21	1	#74	21.48	1	#99	22.32	0-1
		3	#0	22.21	8	#0	21.35	12	#0	21.35	25	#0	21.43	36	#0	21.40	50	#0	21.55	0-2
		3	#2	22.10	8	#4	21.27	12	#6	21.31	25	#12	21.41	36	#18	21.33	50	#24	21.42	0-2
		3	#3	20.99	8	#7	21.12	12	#13	21.27	25	#25	21.37	36	#37	21.10	50	#49	21.30	0-2
6		#0	21.12	15	#0	21.02	25	#0	21.25	50	#0	21.35	75	#0	22.50	100	#0	21.02	0-2	

High	QPSK	CH20393 (1754.3MHz)			CH20385 (1753.5MHz)			CH20375 (1752.5MHz)			CH20350 (1750MHz)			CH20325 (1747.5MHz)			CH20300 (1745MHz)			MPR
		1	#0	22.23	1	#0	22.33	1	#0	22.25	1	#0	22.24	1	#0	22.56	1	#0	22.36	0
		1	#2	22.20	1	#7	22.30	1	#12	22.21	1	#25	22.16	1	#36	22.42	1	#49	22.25	0
		1	#5	22.19	1	#14	22.27	1	#24	22.18	1	#49	22.10	1	#74	22.37	1	#99	22.15	0
		3	#0	22.18	8	#0	21.17	12	#0	21.16	25	#0	21.18	36	#0	21.22	50	#0	21.27	0-1
		3	#2	22.15	8	#4	21.17	12	#6	21.11	25	#12	21.08	36	#18	21.18	50	#24	21.22	0-1
		3	#3	22.10	8	#7	21.16	12	#13	21.10	25	#25	21.02	36	#37	21.15	50	#49	21.18	0-1
		6	#0	21.16	15	#0	21.16	25	#0	21.09	50	#0	21.20	75	#0	21.12	100	#0	21.05	0-1
	16QAM	1	#0	22.12	1	#0	22.12	1	#0	22.17	1	#0	22.15	1	#0	22.48	1	#0	22.32	0-1
1		#2	22.10	1	#7	22.06	1	#12	22.12	1	#25	22.12	1	#36	22.31	1	#49	22.21	0-1	
1		#5	22.02	1	#14	22.00	1	#24	22.10	1	#49	22.01	1	#74	22.10	1	#99	22.11	0-1	
3		#0	21.98	8	#0	21.15	12	#0	21.10	25	#0	21.11	36	#0	21.15	50	#0	21.21	0-2	
3		#2	21.78	8	#4	21.01	12	#6	21.02	25	#12	21.00	36	#18	21.02	50	#24	21.18	0-2	
3		#3	21.65	8	#7	20.98	12	#13	20.99	25	#25	20.99	36	#37	21.00	50	#49	21.11	0-2	
6		#0	21.10	15	#0	20.02	25	#0	20.97	50	#0	20.96	75	#0	20.87	100	#0	21.00	0-2	

LTE Band 5		1.4MHz			3MHz			5MHz			10MHz			MPR
Channel	Modulation	RB No.	RB Offset	Max Power	RB No.	RB Offset	Power	RB No.	RB Offset	Power	RB No.	RB Offset	Power	
		CH20407 (824.7MHz)			CH20415 (825.5MHz)			CH20425 (826.5MHz)			CH20450 (829MHz)			
Low	QPSK	1	#0	22.76	1	#0	22.70	1	#0	22.73	1	#0	22.73	0
		1	#2	22.75	1	#7	22.54	1	#12	22.67	1	#25	22.65	0
		1	#5	22.71	1	#14	22.31	1	#24	22.54	1	#49	22.51	0
		3	#0	22.70	8	#0	21.71	12	#0	21.63	25	#0	21.72	0-1
		3	#2	22.65	8	#4	21.66	12	#6	21.63	25	#12	21.68	0-1
		3	#3	22.23	8	#7	21.62	12	#13	21.62	25	#25	21.62	0-1
		6	#0	21.63	15	#0	21.54	25	#0	21.62	50	#0	21.60	0-1
	16QAM	1	#0	22.64	1	#0	22.77	1	#0	22.55	1	#0	22.66	0-1
		1	#2	22.56	1	#7	22.45	1	#12	22.31	1	#25	22.51	0-1
		1	#5	22.54	1	#14	22.23	1	#24	22.22	1	#49	22.47	0-1
		3	#0	22.41	8	#0	21.54	12	#0	21.51	25	#0	21.56	0-2
		3	#2	22.57	8	#4	21.50	12	#6	21.45	25	#12	21.43	0-2
		3	#3	22.10	8	#7	21.34	12	#13	21.42	25	#25	21.37	0-2
		6	#0	21.54	15	#0	21.21	25	#0	21.22	50	#0	21.11	0-2
Mid	QPSK	CH20525 (836.5MHz)			CH20525 (836.5MHz)			CH 0525 (836.5MHz)			CH20525 (836.5MHz)			MPR
		1	#0	22.73	1	#0	22.56	1	#0	22.72	1	#0	22.52	0
		1	#2	22.73	1	#7	22.42	1	#12	22.65	1	#25	22.47	0
		1	#5	22.72	1	#14	22.37	1	#24	22.42	1	#49	22.31	0
		3	#0	22.72	8	#0	21.69	12	#0	21.56	25	#0	21.60	0-1
		3	#2	22.56	8	#4	21.65	12	#6	21.50	25	#12	21.52	0-1
		3	#3	22.12	8	#7	21.60	12	#13	21.45	25	#25	21.44	0-1
		6	#0	21.59	15	#0	21.59	25	#0	21.46	50	#0	21.61	0-1
	16QAM	1	#0	22.65	1	#0	22.41	1	#0	22.66	1	#0	22.41	0-1
		1	#2	22.63	1	#7	22.34	1	#12	22.56	1	#25	22.35	0-1
		1	#5	22.54	1	#14	22.21	1	#24	22.31	1	#49	22.28	0-1
		3	#0	22.51	8	#0	21.65	12	#0	21.45	25	#0	21.53	0-2
		3	#2	22.43	8	#4	21.54	12	#6	21.40	25	#12	21.41	0-2
		3	#3	22.02	8	#7	21.32	12	#13	21.38	25	#25	21.33	0-2
		6	#0	21.55	15	#0	21.22	25	#0	21.27	50	#0	21.55	0-2

High	QPSK	CH20643 (848.3MHz)			CH20635 (847.5MHz)			CH20625 (846.5MHz)			CH20600 (844MHz)			MPR
		1	#0	22.90	1	#0	22.71	1	#0	22.75	1	#0	22.68	0
		1	#2	22.88	1	#7	22.65	1	#12	22.70	1	#25	22.55	0
		1	#5	22.83	1	#14	22.43	1	#24	22.54	1	#49	22.51	0
		3	#0	22.75	8	#0	21.69	12	#0	21.82	25	#0	21.64	0-1
		3	#2	22.70	8	#4	21.68	12	#6	21.79	25	#12	21.62	0-1
		3	#3	22.69	8	#7	21.66	12	#13	21.75	25	#25	21.60	0-1
		6	#0	21.68	15	#0	21.65	25	#0	21.70	50	#0	21.59	0-1
	16QAM	1	#0	22.87	1	#0	22.55	1	#0	22.56	1	#0	22.45	0-1
		1	#2	22.82	1	#7	22.51	1	#12	22.42	1	#25	22.51	0-1
		1	#5	22.76	1	#14	22.31	1	#24	22.31	1	#49	22.32	0-1
		3	#0	22.65	8	#0	21.52	12	#0	21.78	25	#0	21.55	0-2
		3	#2	22.61	8	#4	21.44	12	#6	21.75	25	#12	21.51	0-2
		3	#3	22.58	8	#7	21.32	12	#13	21.62	25	#25	21.44	0-2
		6	#0	21.54	15	#0	21.12	25	#0	21.50	50	#0	21.37	0-2

LTE Band 12		1.4MHz			3MHz			5MHz			10MHz			MPR
Channel	Modulation	RB No.	RB Offset	Max Power	RB No.	RB Offset	Power	RB No.	RB Offset	Power	RB No.	RB Offset	Power	
		CH23017 (699.7MHz)			CH23025 (700.5MHz)			CH23035 (701.5MHz)			CH23060 (704MHz)			
Low	QPSK	1	#0	22.74	1	#0	22.79	1	#0	22.76	1	#0	22.63	0
		1	#2	22.73	1	#7	22.65	1	#12	22.70	1	#25	22.50	0
		1	#5	22.71	1	#14	22.56	1	#24	22.65	1	#49	22.32	0
		3	#0	22.70	8	#0	21.81	12	#0	21.68	25	#0	21.65	0-1
		3	#2	22.65	8	#4	21.80	12	#6	21.68	25	#12	21.65	0-1
		3	#3	22.55	8	#7	21.79	12	#13	21.67	25	#25	21.64	0-1
		6	#0	21.77	15	#0	21.78	25	#0	21.67	50	#0	21.63	0-1
	16QAM	1	#0	22.66	1	#0	22.63	1	#0	22.68	1	#0	22.57	0-1
		1	#2	22.64	1	#7	22.57	1	#12	22.56	1	#25	22.45	0-1
		1	#5	22.54	1	#14	22.51	1	#24	22.45	1	#49	22.26	0-1
		3	#0	22.45	8	#0	21.78	12	#0	21.56	25	#0	21.54	0-2
		3	#2	22.41	8	#4	21.75	12	#6	21.52	25	#12	21.50	0-2
		3	#3	22.37	8	#7	21.55	12	#13	21.44	25	#25	21.42	0-2
		6	#0	21.53	15	#0	21.42	25	#0	21.32	50	#0	21.10	0-2
Mid	QPSK	CH23095 (707.5MHz)			CH23095 (707.5MHz)			CH23095 (707.5MHz)			CH23095 (707.5MHz)			MPR
		1	#0	22.77	1	#0	22.54	1	#0	22.62	1	#0	22.50	0
		1	#2	22.75	1	#7	22.44	1	#12	22.54	1	#25	22.43	0
		1	#5	22.72	1	#14	22.32	1	#24	22.47	1	#49	22.37	0
		3	#0	22.71	8	#0	21.69	12	#0	21.71	25	#0	21.68	0-1
		3	#2	22.65	8	#4	21.68	12	#6	21.70	25	#12	21.67	0-1
		3	#3	22.60	8	#7	21.68	12	#13	21.68	25	#25	21.66	0-1
		6	#0	21.70	15	#0	21.67	25	#0	21.67	50	#0	21.66	0-1
	16QAM	1	#0	22.65	1	#0	22.21	1	#0	22.58	1	#0	22.43	0-1
		1	#2	22.63	1	#7	22.20	1	#12	22.50	1	#25	22.37	0-1
		1	#5	22.50	1	#14	22.15	1	#24	22.45	1	#49	22.25	0-1
		3	#0	22.43	8	#0	21.65	12	#0	21.62	25	#0	21.65	0-2
		3	#2	22.41	8	#4	21.61	12	#6	21.56	25	#12	21.60	0-2
		3	#3	22.60	8	#7	21.54	12	#13	21.53	25	#25	21.54	0-2
		6	#0	21.62	15	#0	21.33	25	#0	21.45	50	#0	21.42	0-2

High	QPSK	CH23173 (715.3MHz)			CH23165 (714.5MHz)			CH23155 (713.5MHz)			CH23130 (711MHz)			MPR
		1	#0	22.69	1	#0	22.75	1	#0	22.75	1	#0	22.69	0
		1	#2	22.66	1	#7	22.72	1	#12	22.70	1	#25	22.65	0
		1	#5	22.65	1	#14	22.65	1	#24	22.56	1	#49	22.32	0
		3	#0	22.66	8	#0	21.74	12	#0	21.86	25	#0	21.73	0-1
		3	#2	22.54	8	#4	21.74	12	#6	21.84	25	#12	21.73	0-1
		3	#3	22.34	8	#7	21.73	12	#13	21.74	25	#25	21.72	0-1
		6	#0	21.66	15	#0	21.73	25	#0	21.72	50	#0	21.72	0-1
	16QAM	1	#0	22.62	1	#0	22.65	1	#0	22.70	1	#0	22.61	0-1
		1	#2	22.56	1	#7	22.61	1	#12	22.67	1	#25	22.43	0-1
		1	#5	22.43	1	#14	22.54	1	#24	22.54	1	#49	22.31	0-1
		3	#0	22.37	8	#0	21.72	12	#0	21.78	25	#0	21.65	0-2
		3	#2	22.33	8	#4	21.69	12	#6	21.65	25	#12	21.45	0-2
		3	#3	22.21	8	#7	21.64	12	#13	21.54	25	#25	21.44	0-2
		6	#0	21.54	15	#0	21.60	25	#0	21.32	50	#0	21.20	0-2

Radiated Power

LTE Band2 (Low Channel, QPSK)							
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	17.522	1.065	4.613	21.070	33	-11.93
1850.7	V	17.772	1.065	4.613	21.320	33	-11.68
QPSK, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	17.359	1.065	4.586	20.880	33	-12.12
1851.5	V	17.459	1.065	4.586	20.980	33	-12.02
QPSK, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	17.317	1.065	4.558	20.810	33	-12.19
1852.5	V	17.427	1.065	4.558	20.920	33	-12.08
QPSK, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	17.487	1.065	4.558	20.980	33	-12.02
1855	V	17.387	1.065	4.558	20.880	33	-12.12
QPSK, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	17.587	1.065	4.558	21.080	33	-11.92
1857.5	V	17.507	1.065	4.558	21.000	33	-12.00
QPSK, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	17.687	1.065	4.558	21.180	33	-11.82
1860	V	17.577	1.065	4.558	21.070	33	-11.93

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.

LTE Band2 (Low Channel, 16QAM)							
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	17.452	1.065	4.613	21.000	33	-12.00
1850.7	V	17.572	1.065	4.613	21.120	33	-11.88
16QAM, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	16.629	1.065	4.586	20.150	33	-12.85
1851.5	V	16.699	1.065	4.586	20.220	33	-12.78
16QAM, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	16.737	1.065	4.558	20.230	33	-12.77
1852.5	V	16.677	1.065	4.558	20.170	33	-12.83
16QAM, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	16.807	1.065	4.558	20.300	33	-12.70
1855	V	16.627	1.065	4.558	20.120	33	-12.88
16QAM, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	16.937	1.065	4.558	20.430	33	-12.57
1857.5	V	16.827	1.065	4.558	20.320	33	-12.68
16QAM, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	16.957	1.065	4.558	20.450	33	-12.55
1860	V	16.817	1.065	4.558	20.310	33	-12.69

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 (Mid Channel, QPSK)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH18900 / 1880MHz, Bandwidth 1.4MHz							
1880	H	18.232	1.065	4.613	21.780	33	-11.22
1880	V	18.732	1.065	4.613	22.280	33	-10.72
QPSK, CH18900 / 1880MHz, Bandwidth 3MHz							
1880	H	18.309	1.065	4.586	21.830	33	-11.17
1880	V	18.679	1.065	4.586	22.200	33	-10.80
QPSK, CH18900 / 1880MHz, Bandwidth 5MHz							
1880	H	17.727	1.065	4.558	21.220	33	-11.78
1880	V	18.667	1.065	4.558	22.160	33	-10.84
QPSK, CH18900 / 1880MHz, Bandwidth 10MHz							
1880	H	17.807	1.065	4.558	21.300	33	-11.70
1880	V	18.717	1.065	4.558	22.210	33	-10.79
QPSK, CH18900 / 1880MHz, Bandwidth 15MHz							
1880	H	18.037	1.065	4.558	21.530	33	-11.47
1880	V	18.667	1.065	4.558	22.160	33	-10.84
QPSK, CH18900 / 1880MHz, Bandwidth 20MHz							
1880	H	18.047	1.065	4.558	21.540	33	-11.46
1880	V	18.667	1.065	4.558	22.160	33	-10.84

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 (Mid Channel, 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
16QAM, CH18900 / 1880MHz, Bandwidth 1.4MHz							
1880	H	17.512	1.065	4.613	21.060	33	-11.94
1880	V	17.842	1.065	4.613	21.390	33	-11.61
16QAM, CH18900 / 1880MHz, Bandwidth 3MHz							
1880	H	17.579	1.065	4.586	21.100	33	-11.90
1880	V	17.929	1.065	4.586	21.450	33	-11.55
16QAM, CH18900 / 1880MHz, Bandwidth 5MHz							
1880	H	16.977	1.065	4.558	20.470	33	-12.53
1880	V	17.967	1.065	4.558	21.460	33	-11.54
16QAM, CH18900 / 1880MHz, Bandwidth 10MHz							
1880	H	17.067	1.065	4.558	20.560	33	-12.44
1880	V	17.817	1.065	4.558	21.310	33	-11.69
16QAM, CH18900 / 1880MHz, Bandwidth 15MHz							
1880	H	17.287	1.065	4.558	20.780	33	-12.22
1880	V	17.927	1.065	4.558	21.420	33	-11.58
16QAM, CH18900 / 1880MHz, Bandwidth 20MHz							
1880	H	17.327	1.065	4.558	20.820	33	-12.18
1880	V	17.947	1.065	4.558	21.440	33	-11.56

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 (High Channel, QPSK)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH19193 / 1909.3MHz, Bandwidth 1.4MHz							
1909.3	H	18.362	1.065	4.613	21.910	33	-11.09
1909.3	V	18.072	1.065	4.613	21.620	33	-11.38
QPSK, CH19185 / 1908.5MHz, Bandwidth 3MHz							
1908.5	H	18.009	1.065	4.586	21.530	33	-11.47
1908.5	V	17.999	1.065	4.586	21.520	33	-11.48
QPSK, CH19175 / 1907.5MHz, Bandwidth 5MHz							
1907.5	H	18.397	1.065	4.558	21.890	33	-11.11
1907.5	V	18.167	1.065	4.558	21.660	33	-11.34
QPSK, CH19150 / 1905MHz, Bandwidth 10MHz							
1905	H	18.507	1.065	4.558	22.000	33	-11.00
1905	V	18.217	1.065	4.558	21.710	33	-11.29
QPSK, CH19125 / 1902.5MHz, Bandwidth 15MHz							
1902.5	H	18.587	1.065	4.558	22.080	33	-10.92
1902.5	V	18.337	1.065	4.558	21.830	33	-11.17
QPSK, CH19100 / 1900MHz, Bandwidth 20MHz							
1900	H	18.537	1.065	4.558	22.030	33	-10.97
1900	V	18.377	1.065	4.558	21.870	33	-11.13

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 (High Channel, 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
16QAM, CH19193 / 1909.3MHz, Bandwidth 1.4MHz							
1909.3	H	17.682	1.065	4.613	21.230	33	-11.77
1909.3	V	17.342	1.065	4.613	20.890	33	-12.11
16QAM, CH19185 / 1908.5MHz, Bandwidth 3MHz							
1908.5	H	17.199	1.065	4.586	20.720	33	-12.28
1908.5	V	17.144	1.065	4.586	20.665	33	-12.34
16QAM, CH19175 / 1907.5MHz, Bandwidth 5MHz							
1907.5	H	17.627	1.065	4.558	21.120	33	-11.88
1907.5	V	17.397	1.065	4.558	20.890	33	-12.11
16QAM, CH19150 / 1905MHz, Bandwidth 10MHz							
1905	H	17.737	1.065	4.558	21.230	33	-11.77
1905	V	16.509	1.065	4.558	20.002	33	-13.00
16QAM, CH19125 / 1902.5MHz, Bandwidth 15MHz							
1902.5	H	17.787	1.065	4.558	21.280	33	-11.72
1902.5	V	17.577	1.065	4.558	21.070	33	-11.93
16QAM, CH19100 / 1900MHz, Bandwidth 20MHz							
1900	H	17.85	1.065	4.558	21.343	33	-11.66
1900	V	17.677	1.065	4.558	21.170	33	-11.83

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 Band4 (Low Channel, QPSK)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH19957 / 1710.7MHz, Bandwidth 1.4MHz							
1710.7	H	15.405	1.1	4.915	19.220	30	-10.78
1710.7	V	16.195	1.1	4.915	20.010	30	-9.99
QPSK, CH19965 / 1711.5MHz, Bandwidth 3MHz							
1711.5	H	15.235	1.1	4.915	19.050	30	-10.95
1711.5	V	16.065	1.1	4.915	19.880	30	-10.12
QPSK, CH19975 / 1712.5MHz, Bandwidth 5MHz							
1712.5	H	15.415	1.1	4.915	19.230	30	-10.77
1712.5	V	16.175	1.1	4.915	19.990	30	-10.01
QPSK, CH20000 / 1715MHz, Bandwidth 10MHz							
1715	H	15.215	1.1	4.915	19.030	30	-10.97
1715	V	16.015	1.1	4.915	19.830	30	-10.17
QPSK, CH20025 / 1717.5MHz, Bandwidth 15MHz							
1717.5	H	14.695	1.1	4.915	18.510	30	-11.49
1717.5	V	16.115	1.1	4.915	19.930	30	-10.07
QPSK, CH20050 / 1720MHz, Bandwidth 20MHz							
1720	H	14.255	1.1	4.915	18.070	30	-11.93
1720	V	15.905	1.1	4.915	19.720	30	-10.28

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.

LTE Band4 (Low Channel, 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
16QAM, CH19957 / 1710.7MHz, Bandwidth 1.4MHz							
1710.7	H	15.195	1.1	4.915	19.010	30	-10.99
1710.7	V	16.075	1.1	4.915	19.890	30	-10.11
16QAM, CH19965 / 1711.5MHz, Bandwidth 3MHz							
1711.5	H	14.995	1.1	4.915	18.810	30	-11.19
1711.5	V	15.805	1.1	4.915	19.620	30	-10.38
16QAM, CH19975 / 1712.5MHz, Bandwidth 5MHz							
1712.5	H	15.187	1.1	4.915	19.002	30	-10.998
1712.5	V	15.905	1.1	4.915	19.720	30	-10.28
16QAM, CH20000 / 1715MHz, Bandwidth 10MHz							
1715	H	15.035	1.1	4.915	18.850	30	-11.15
1715	V	15.795	1.1	4.915	19.610	30	-10.39
16QAM, CH20025 / 1717.5MHz, Bandwidth 15MHz							
1717.5	H	14.505	1.1	4.915	18.320	30	-11.68
1717.5	V	15.895	1.1	4.915	19.710	30	-10.29
16QAM, CH20050 / 1720MHz, Bandwidth 20MHz							
1720	H	14.075	1.1	4.915	17.890	30	-12.11
1720	V	15.695	1.1	4.915	19.510	30	-10.49

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 Band4 (Mid Channel, QPSK)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20175 /1732.5MHz, Bandwidth 1.4MHz							
1732.5	H	15.349	1.11	4.861	19.100	30	-10.90
1732.5	V	17.029	1.11	4.861	20.780	30	-9.22
QPSK, CH20175 /1732.5MHz, Bandwidth 3MHz							
1732.5	H	15.339	1.11	4.861	19.090	30	-10.91
1732.5	V	16.819	1.11	4.861	20.570	30	-9.43
QPSK, CH20175 /1732.5MHz, Bandwidth 5MHz							
1732.5	H	15.169	1.11	4.861	18.920	30	-11.08
1732.5	V	16.749	1.11	4.861	20.500	30	-9.50
QPSK, CH20175 /1732.5MHz, Bandwidth 10MHz							
1732.5	H	15.359	1.11	4.861	19.110	30	-10.89
1732.5	V	16.779	1.11	4.861	20.530	30	-9.47
QPSK, CH20175 /1732.5MHz, Bandwidth 15MHz							
1732.5	H	14.999	1.11	4.861	18.750	30	-11.25
1732.5	V	16.769	1.11	4.861	20.520	30	-9.48
QPSK, CH20175 /1732.5MHz, Bandwidth 20MHz							
1732.5	H	15.259	1.11	4.861	19.010	30	-10.99
1732.5	V	16.859	1.11	4.861	20.610	30	-9.39

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 Band4 (Mid Channel, 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
16QAM, CH20175 /1732.5MHz, Bandwidth 1.4MHz							
1732.5	H	15.079	1.11	4.861	18.830	30	-11.17
1732.5	V	16.809	1.11	4.861	20.560	30	-9.44
16QAM, CH20175 /1732.5MHz, Bandwidth 3MHz							
1732.5	H	15.019	1.11	4.861	18.770	30	-11.23
1732.5	V	16.569	1.11	4.861	20.320	30	-9.68
16QAM, CH20175 /1732.5MHz, Bandwidth 5MHz							
1732.5	H	14.959	1.11	4.861	18.710	30	-11.29
1732.5	V	16.529	1.11	4.861	20.280	30	-9.72
16QAM, CH20175 /1732.5MHz, Bandwidth 10MHz							
1732.5	H	15.209	1.11	4.861	18.960	30	-11.04
1732.5	V	16.459	1.11	4.861	20.210	30	-9.79
16QAM, CH20175 /1732.5MHz, Bandwidth 15MHz							
1732.5	H	14.759	1.11	4.861	18.510	30	-11.49
1732.5	V	16.479	1.11	4.861	20.230	30	-9.77
16QAM, CH20175 /1732.5MHz, Bandwidth 20MHz							
1732.5	H	15.029	1.11	4.861	18.780	30	-11.22
1732.5	V	16.649	1.11	4.861	20.400	30	-9.60

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.

LTE Band4 (High Channel, QPSK)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20393 / 1754.3MHz, Bandwidth 1.4MHz							
1754.3	H	15.424	1.11	4.806	19.120	30	-10.88
1754.3	V	16.864	1.11	4.806	20.560	30	-9.44
QPSK, CH20385 / 1753.5MHz, Bandwidth 3MHz							
1753.5	H	15.004	1.11	4.806	18.700	30	-11.30
1753.5	V	16.834	1.11	4.806	20.530	30	-9.47
QPSK, CH20375 / 1752.5MHz, Bandwidth 5MHz							
1752.5	H	15.934	1.11	4.806	19.630	30	-10.37
1752.5	V	17.064	1.11	4.806	20.760	30	-9.24
QPSK, CH20350 / 1750MHz, Bandwidth 10MHz							
1750	H	13.484	1.11	4.806	17.180	30	-12.82
1750	V	16.374	1.11	4.806	20.070	30	-9.93
QPSK, CH20325 / 1747.5MHz, Bandwidth 15MHz							
1747.5	H	14.294	1.11	4.806	17.990	30	-12.01
1747.5	V	16.204	1.11	4.806	19.900	30	-10.10
QPSK, CH20300 / 1745MHz, Bandwidth 20MHz							
1745	H	14.544	1.11	4.806	18.240	30	-11.76
1745	V	16.144	1.11	4.806	19.840	30	-10.16

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 Band4 (High Channel, 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	EIRP Measure (dBm)	Limit (dBm)	Margin (dB)
16QAM, CH20393 / 1754.3MHz, Bandwidth 1.4MHz							
1754.3	H	15.284	1.11	4.806	18.980	30	-11.02
1754.3	V	16.614	1.11	4.806	20.310	30	-9.69
16QAM, CH20385 / 1753.5MHz, Bandwidth 3MHz							
1753.5	H	14.814	1.11	4.806	18.510	30	-11.49
1753.5	V	16.574	1.11	4.806	20.270	30	-9.73
16QAM, CH20375 / 1752.5MHz, Bandwidth 5MHz							
1752.5	H	15.714	1.11	4.806	19.410	30	-10.59
1752.5	V	16.824	1.11	4.806	20.520	30	-9.48
16QAM, CH20350 / 1750MHz, Bandwidth 10MHz							
1750	H	13.304	1.11	4.806	17.000	30	-13.00
1750	V	16.284	1.11	4.806	19.980	30	-10.02
16QAM, CH20325 / 1747.5MHz, Bandwidth 15MHz							
1747.5	H	14.024	1.11	4.806	17.720	30	-12.28
1747.5	V	15.954	1.11	4.806	19.650	30	-10.35
16QAM, CH20300 / 1745MHz, Bandwidth 20MHz							
1745	H	14.308	1.11	4.806	18.004	30	-11.996
1745	V	15.914	1.11	4.806	19.610	30	-10.39

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 Band5 (Low Channel, QPSK & 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBd)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20407 / 824.7MHz, Bandwidth 1.4MHz							
824.7	H	15.43	0.88	5.38	19.930	38.5	-18.57
824.7	V	11.35	0.88	5.38	15.850	38.5	-22.65
QPSK, CH20415 / 825.5MHz, Bandwidth 3MHz							
825.5	H	14.39	0.88	5.38	18.890	38.5	-19.61
825.5	V	7.77	0.88	5.38	12.270	38.5	-26.23
QPSK, CH20425 / 826.5MHz, Bandwidth 5MHz							
826.5	H	13.47	0.88	5.38	17.970	38.5	-20.53
826.5	V	7.89	0.88	5.38	12.390	38.5	-26.11
QPSK, CH20450 / 829MHz, Bandwidth 10MHz							
829	H	13.95	0.88	5.38	18.450	38.5	-20.05
829	V	8.07	0.88	5.38	12.570	38.5	-25.93
16QAM, CH20407 / 824.7MHz, Bandwidth 1.4MHz							
824.7	H	14.73	0.88	5.38	19.230	38.5	-19.27
824.7	V	9.61	0.88	5.38	14.110	38.5	-24.39
16QAM, CH20415 / 825.5MHz, Bandwidth 3MHz							
825.5	H	14.7	0.88	5.38	19.200	38.5	-19.3
825.5	V	10.09	0.88	5.38	14.590	38.5	-23.91
16QAM, CH20425 / 826.5MHz, Bandwidth 5MHz							
826.5	H	14.84	0.88	5.38	19.340	38.5	-19.16
826.5	V	11.28	0.88	5.38	15.780	38.5	-22.72
16QAM, CH20450 / 829MHz, Bandwidth 10MHz							
829	H	14.32	0.88	5.38	18.820	38.5	-19.68
829	V	10.21	0.88	5.38	14.710	38.5	-23.79

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.

LTE Band5 (Mid Channel QPSK & 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBd)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20525 / 836.5MHz, Bandwidth 1.4MHz							
836.5	H	14.22	0.88	5.38	18.720	38.5	-19.78
836.5	V	10.91	0.88	5.38	15.410	38.5	-23.09
QPSK, CH20525 / 836.5MHz, Bandwidth 3MHz							
836.5	H	14.46	0.88	5.38	18.960	38.5	-19.54
836.5	V	11.06	0.88	5.38	15.560	38.5	-22.94
QPSK, CH20525 / 836.5MHz, Bandwidth 5MHz							
836.5	H	14.14	0.88	5.38	18.640	38.5	-19.86
836.5	V	10.73	0.88	5.38	15.230	38.5	-23.27
QPSK, CH20525 / 836.5MHz, Bandwidth 10MHz							
836.5	H	14.53	0.88	5.38	19.030	38.5	-19.47
836.5	V	11.08	0.88	5.38	15.580	38.5	-22.92
16QAM, CH20525 / 836.5MHz, Bandwidth 1.4MHz							
836.5	H	15.27	0.88	5.38	19.770	38.5	-18.73
836.5	V	9.501	0.88	5.38	14.001	38.5	-24.50
16QAM, CH20525 / 836.5MHz, Bandwidth 3MHz							
836.5	H	14.935	0.88	5.38	19.435	38.5	-19.07
836.5	V	10.388	0.88	5.38	14.888	38.5	-23.612
16QAM, CH20525 / 836.5MHz, Bandwidth 5MHz							
836.5	H	13.49	0.88	5.38	17.990	38.5	-20.51
836.5	V	9.96	0.88	5.38	14.462	38.5	-24.04
16QAM, CH20525 / 836.5MHz, Bandwidth 10MHz							
836.5	H	13.86	0.88	5.38	18.356	38.5	-20.14
836.5	V	10.39	0.88	5.38	14.890	38.5	-23.61

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 Band5 (High Channel, QPSK & 16QAM)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBd)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20643 / 848.3MHz, Bandwidth 1.4MHz							
848.3	H	17.27	0.88	5.39	21.781	38.5	-16.72
848.3	V	12.69	0.88	5.39	17.200	38.5	-21.3
QPSK, CH20635 / 847.5MHz, Bandwidth 3MHz							
847.5	H	17.37	0.88	5.39	21.883	38.5	-16.62
847.5	V	12.55	0.88	5.39	17.060	38.5	-21.44
QPSK, CH20625 / 846.5MHz, Bandwidth 5MHz							
846.5	H	16.82	0.88	5.39	21.334	38.5	-17.17
846.5	V	11.78	0.88	5.39	16.290	38.5	-22.21
QPSK, CH20600 / 844MHz, Bandwidth 10MHz							
844	H	15.62	0.88	5.39	20.133	38.5	-18.37
844	V	11.77	0.88	5.39	16.280	38.5	-22.22
16QAM, CH20643 / 848.3MHz, Bandwidth 1.4MHz							
848.3	H	16.37	0.88	5.39	20.881	38.5	-17.62
848.3	V	12.15	0.88	5.39	16.662	38.5	-21.84
16QAM, CH20635 / 847.5MHz, Bandwidth 3MHz							
847.5	H	15.65	0.88	5.39	20.158	38.5	-18.34
847.5	V	12.23	0.88	5.39	16.740	38.5	-21.76
16QAM, CH20625 / 846.5MHz, Bandwidth 5MHz							
846.5	H	15.93	0.88	5.39	20.444	38.5	-18.06
846.5	V	11.36	0.88	5.39	15.870	38.5	-22.63
16QAM, CH20600 / 844MHz, Bandwidth 10MHz							
844	H	15.92	0.88	5.39	20.431	38.5	-18.07
844	V	10.93	0.88	5.39	15.441	38.5	-23.06

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.