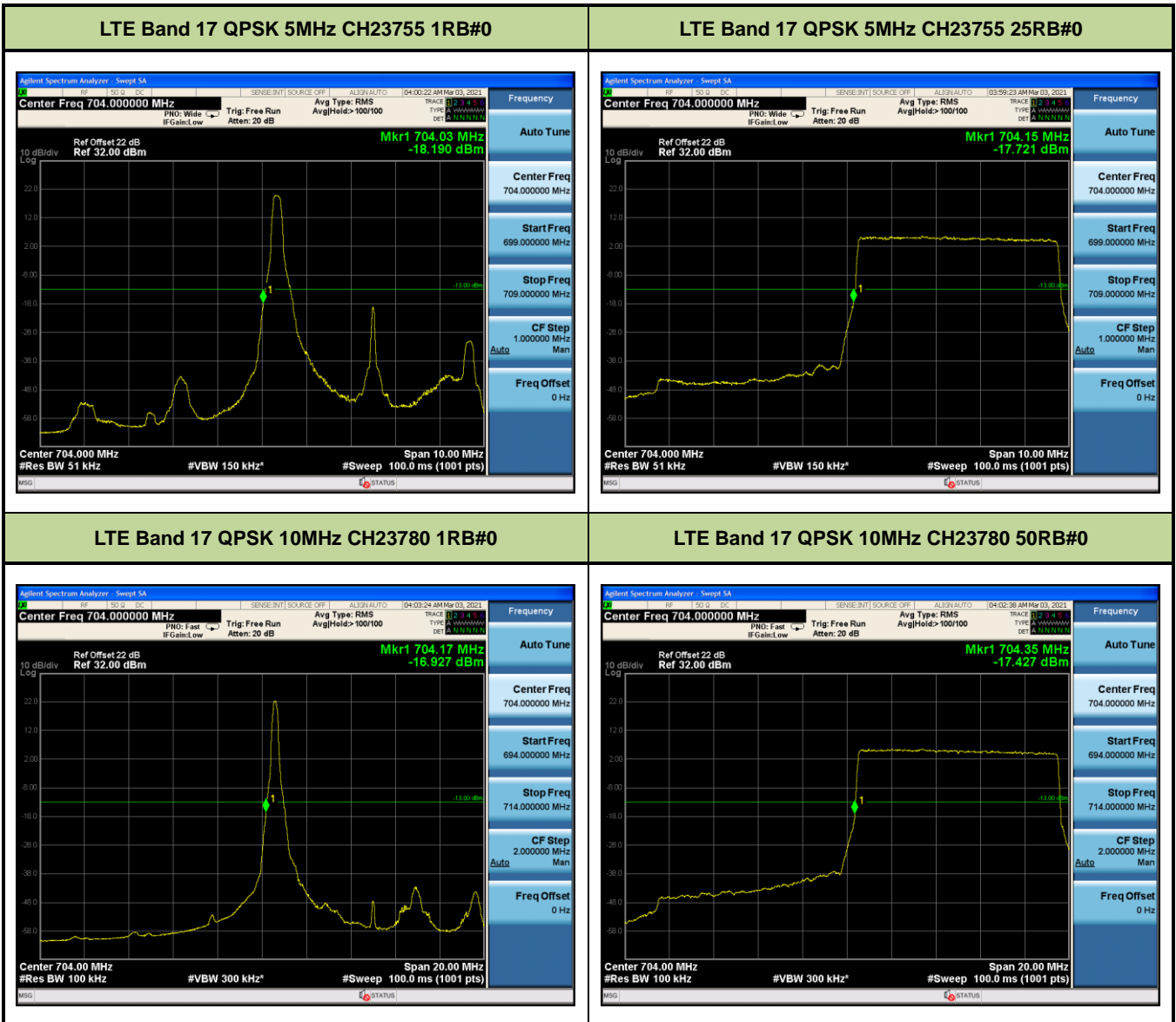
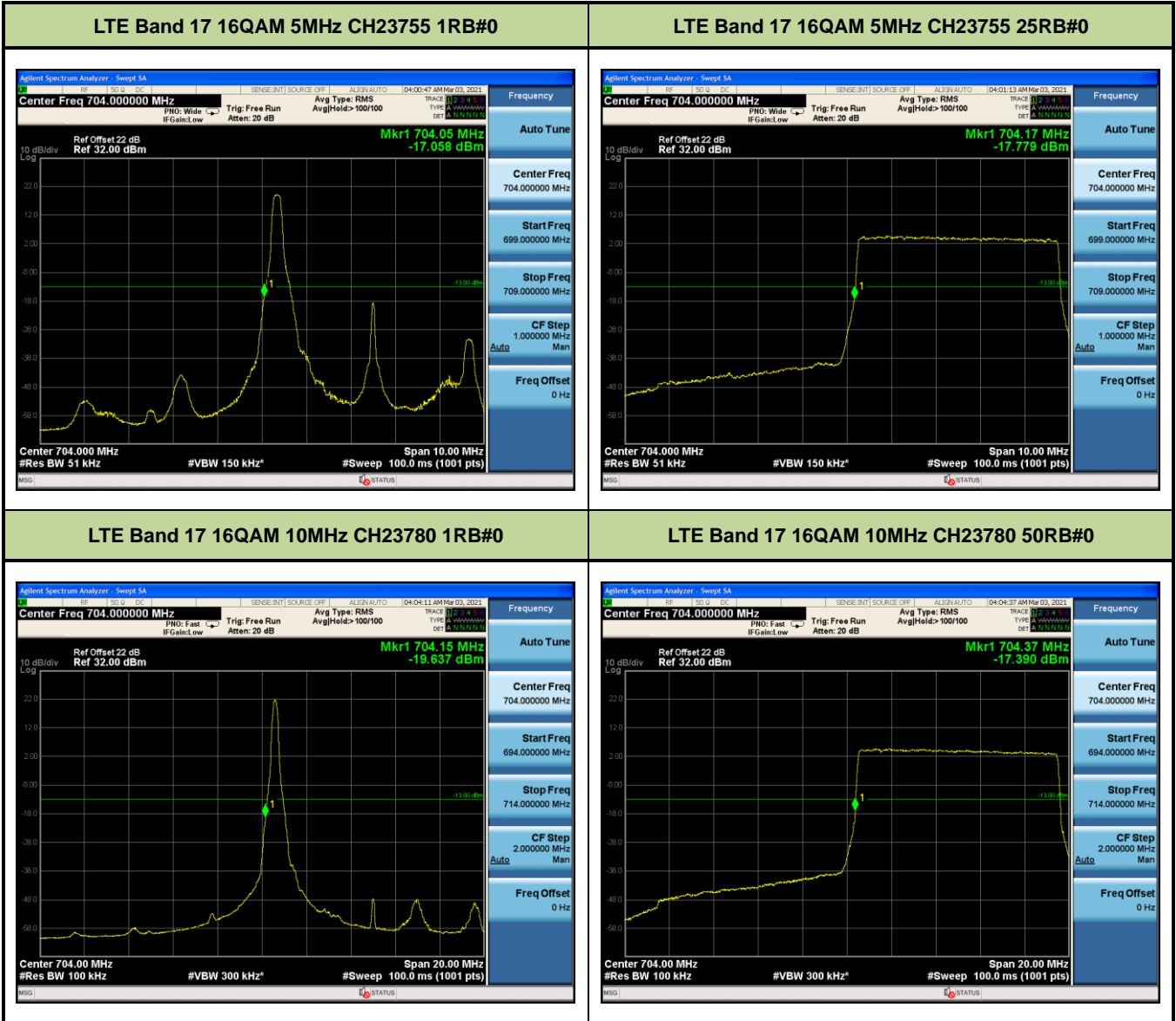
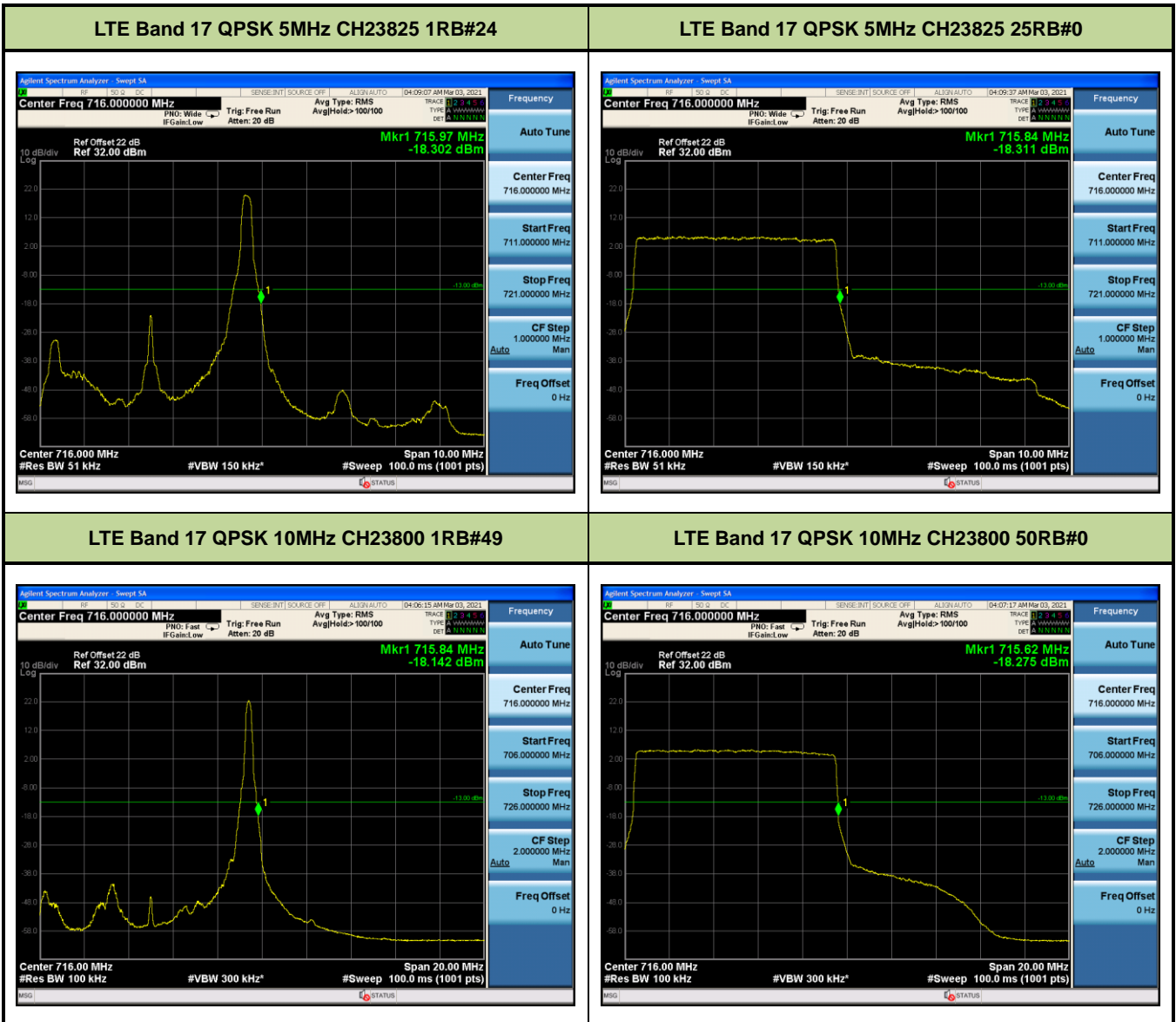
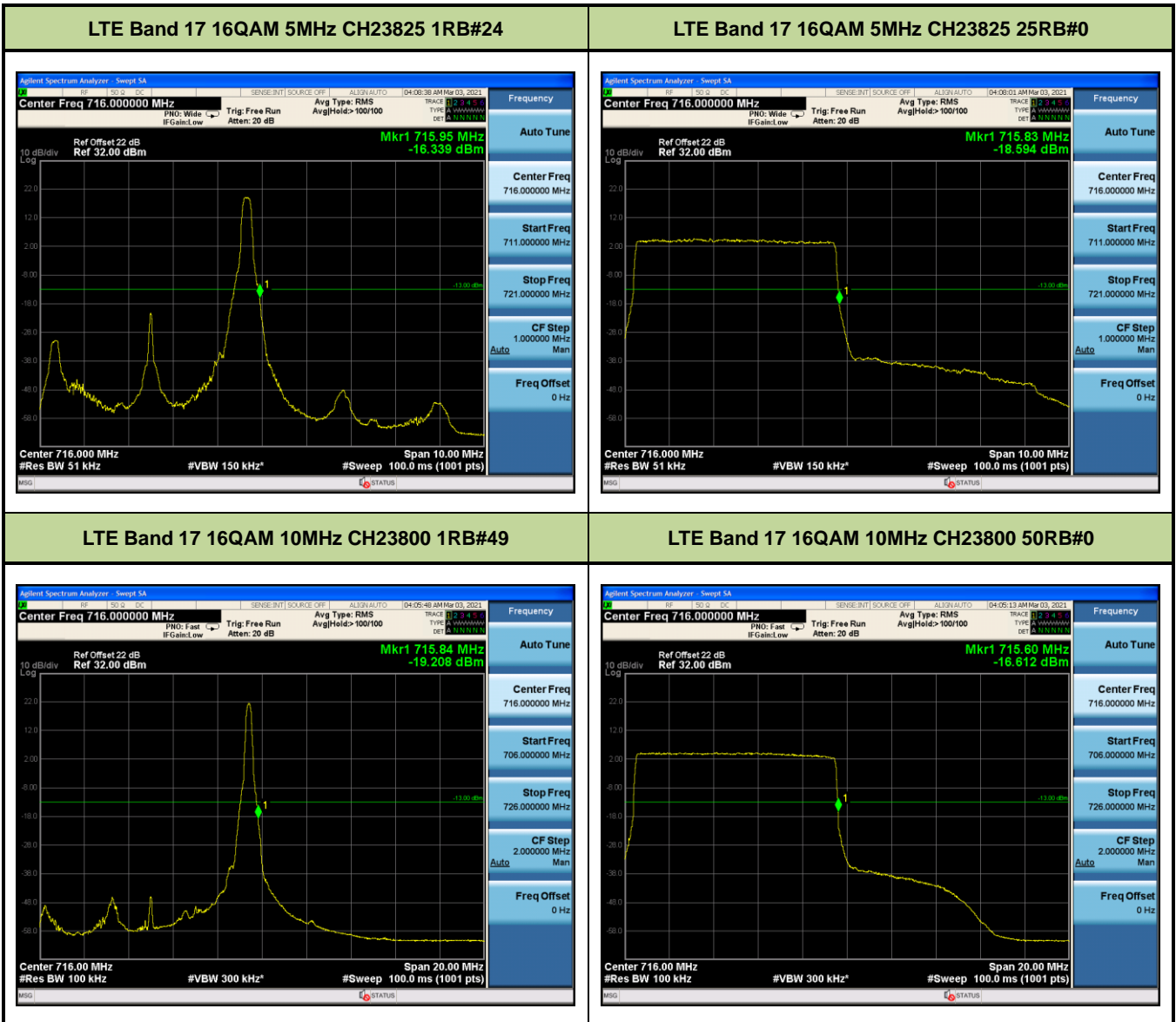


Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 17 (Low Channel)	QPSK	CH23755 / 706.5MHz	5	1	0	Pass
				25	0	Pass
	16QAM	CH23780 / 709MHz	10	1	0	Pass
				50	0	Pass
		CH23755 / 706.5MHz	5	1	0	Pass
				25	0	Pass
LTE Band 17 (High Channel)	QPSK	CH23825 / 713.5MHz	5	1	24	Pass
				25	0	Pass
	16QAM	CH23800 / 711MHz	10	1	49	Pass
				50	0	Pass
		CH23825 / 713.5MHz	5	1	24	Pass
				25	0	Pass
CH23800 / 711MHz	10	1	49	Pass		
		50	0	Pass		





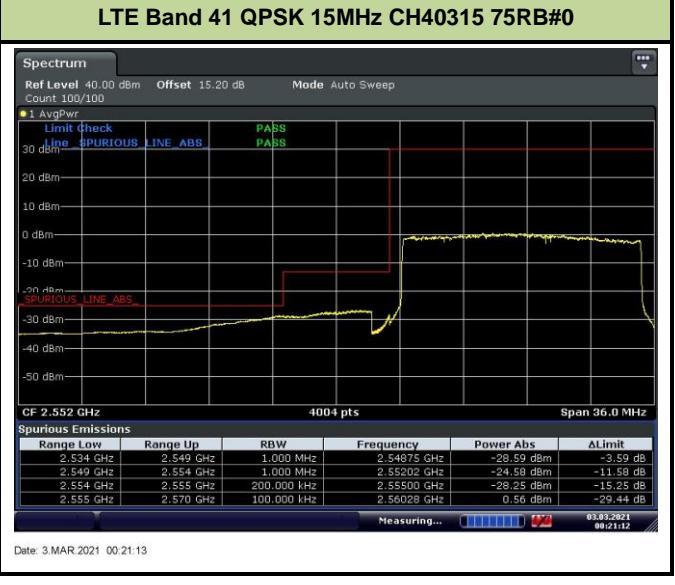
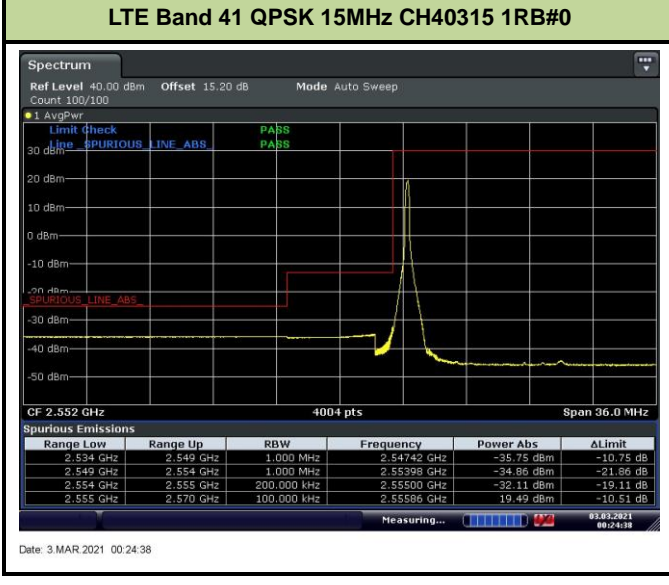
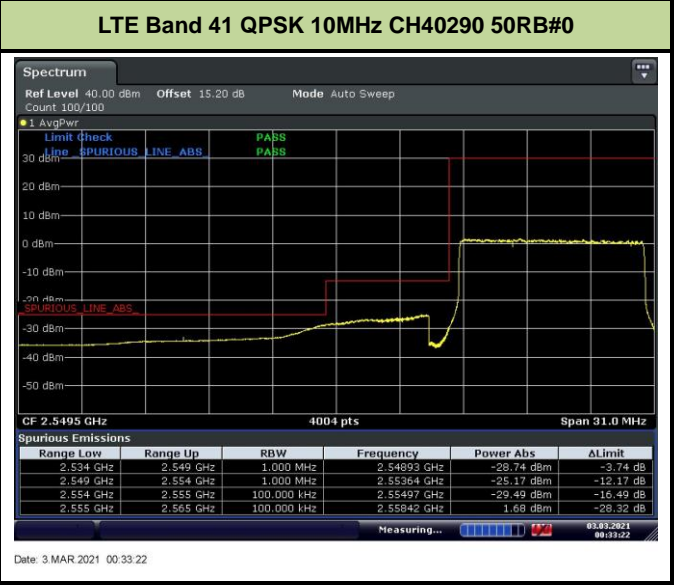
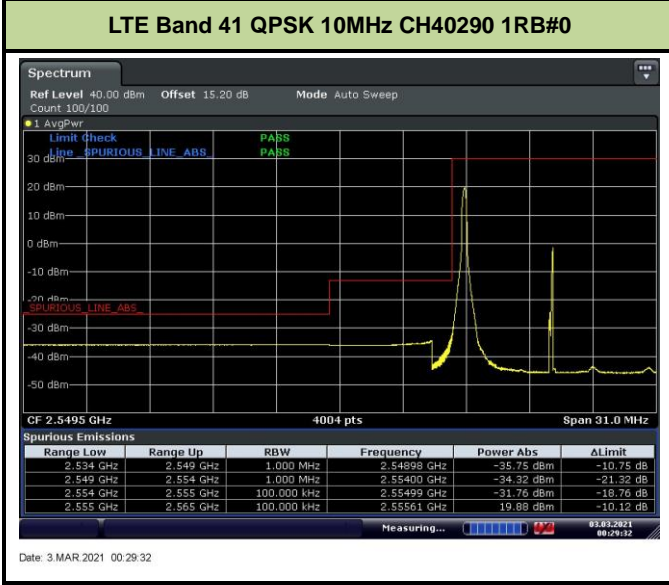
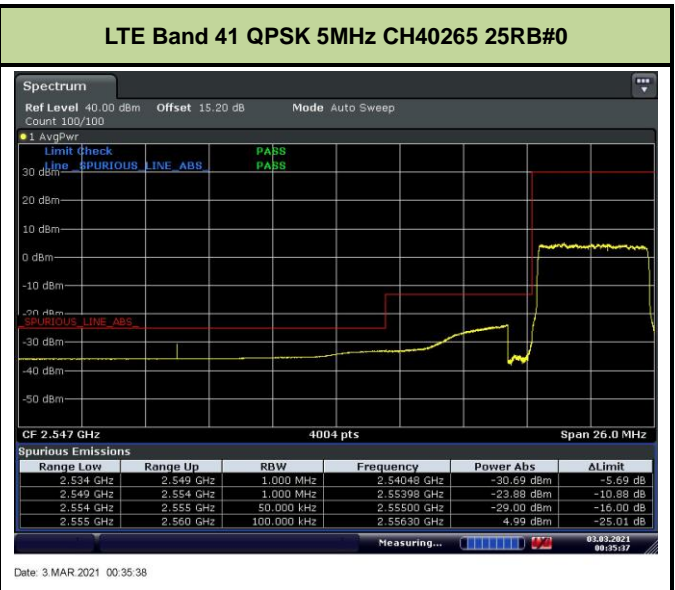
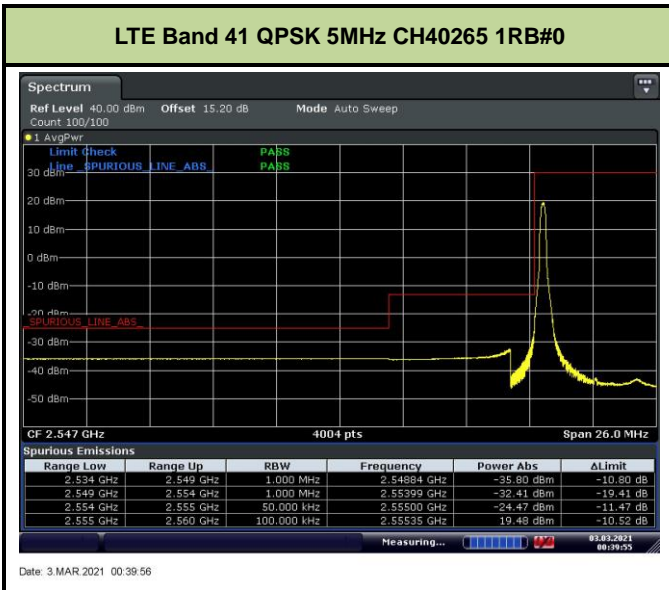


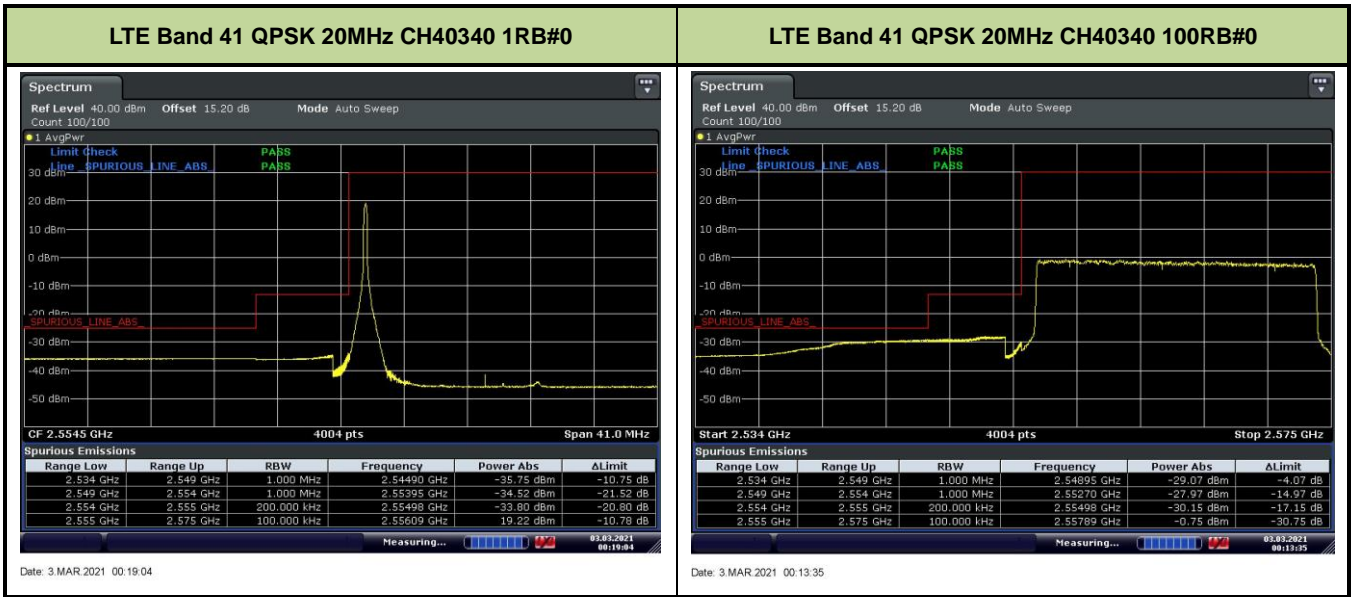


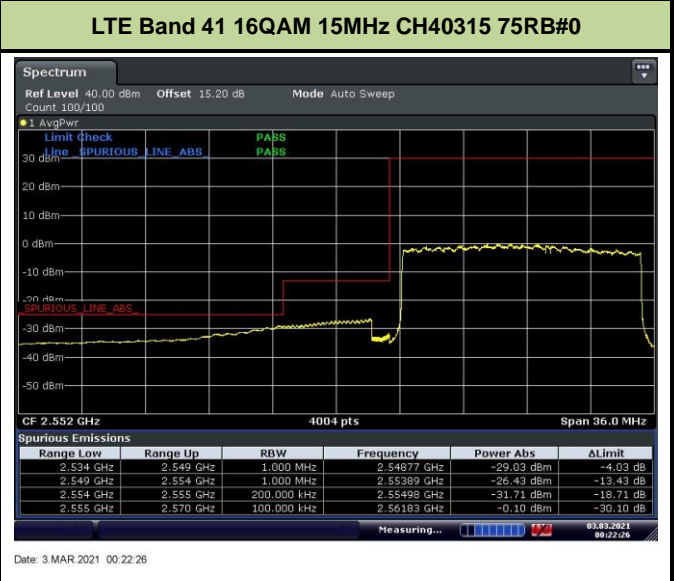
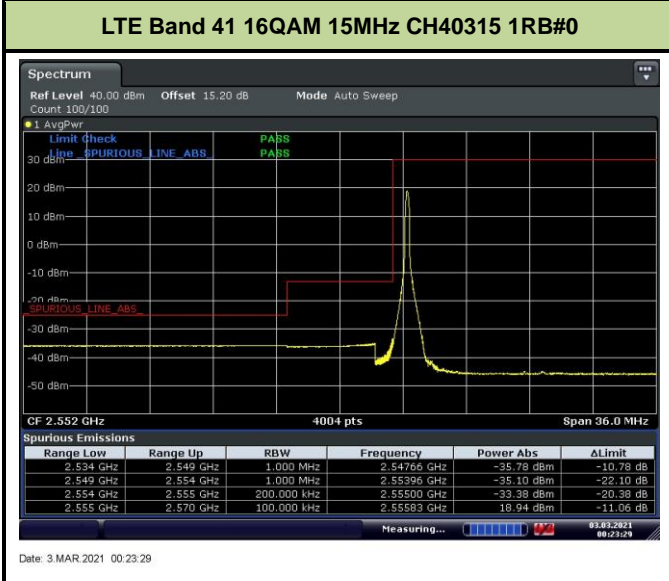
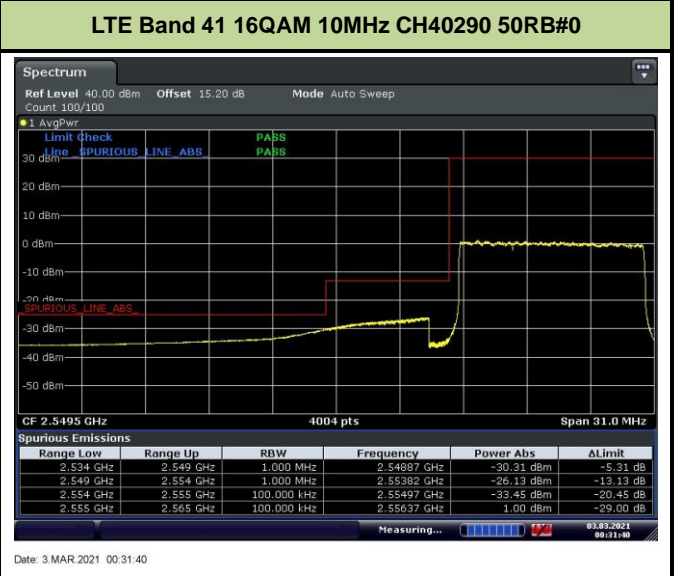
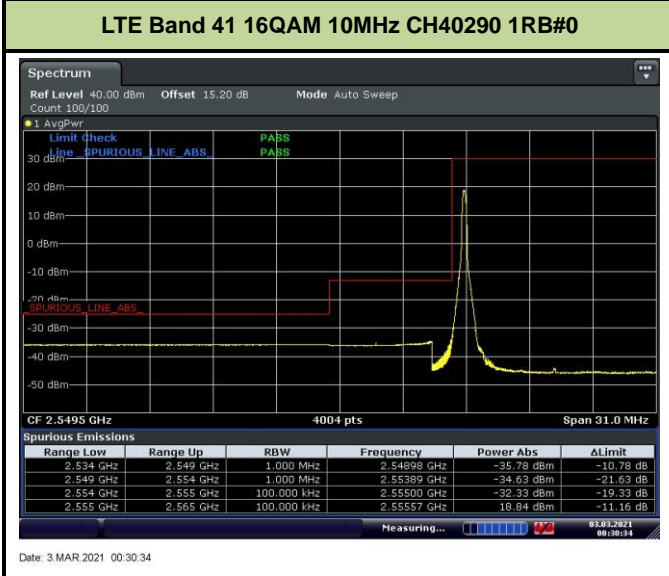
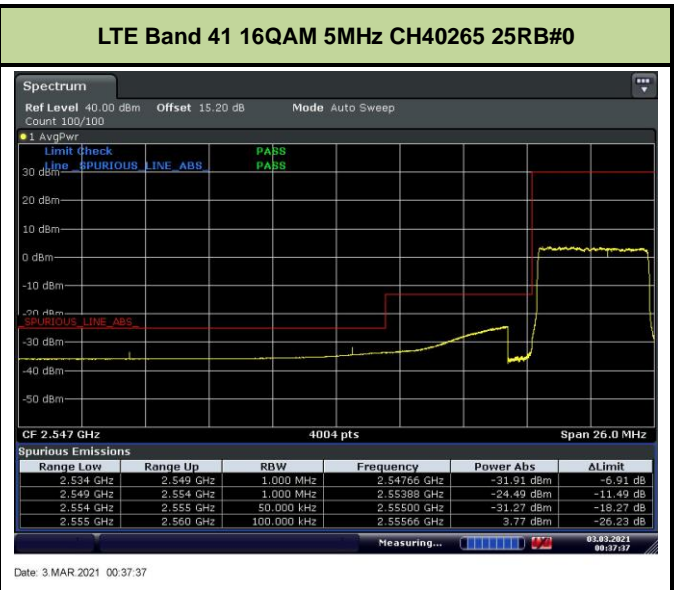
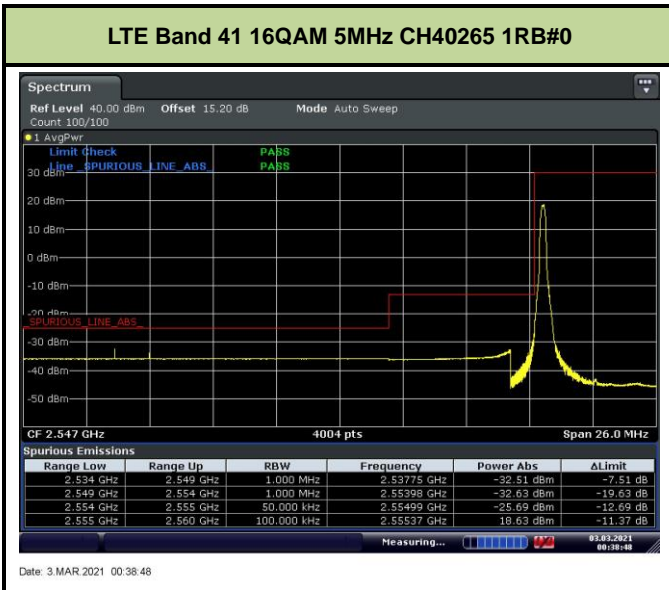
Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 41 (Low Channel)	QPSK	CH40265 / 2557.5MHz	5	1	0	Pass
				25	0	Pass
		CH40290 / 2560MHz	10	1	0	Pass
				50	0	Pass
		CH40315 / 2562.5MHz	15	1	0	Pass
				75	0	Pass
	CH40340 / 2565MHz	20	1	0	Pass	
			100	0	Pass	
	16QAM	CH40265 / 2557.5MHz	5	1	0	Pass
				25	0	Pass
		CH40290 / 2560MHz	10	1	0	Pass
				50	0	Pass
		CH40315 / 2562.5MHz	15	1	0	Pass
				75	0	Pass
CH40340 / 2565MHz		20	1	0	Pass	
			100	0	Pass	

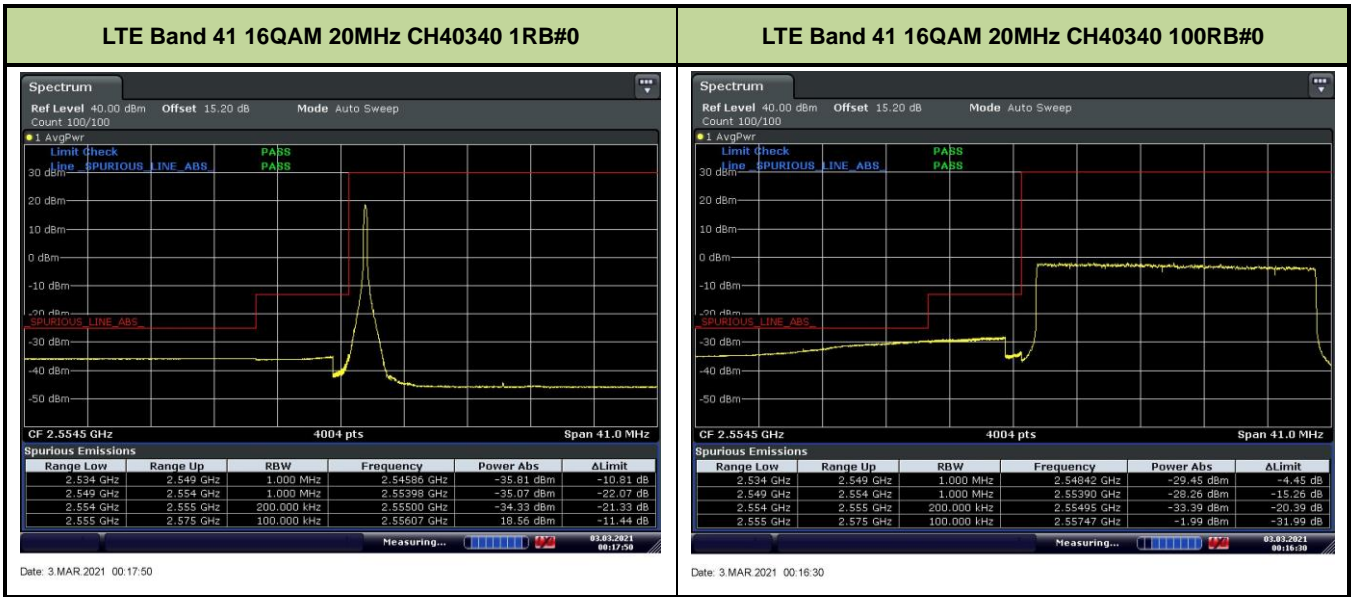


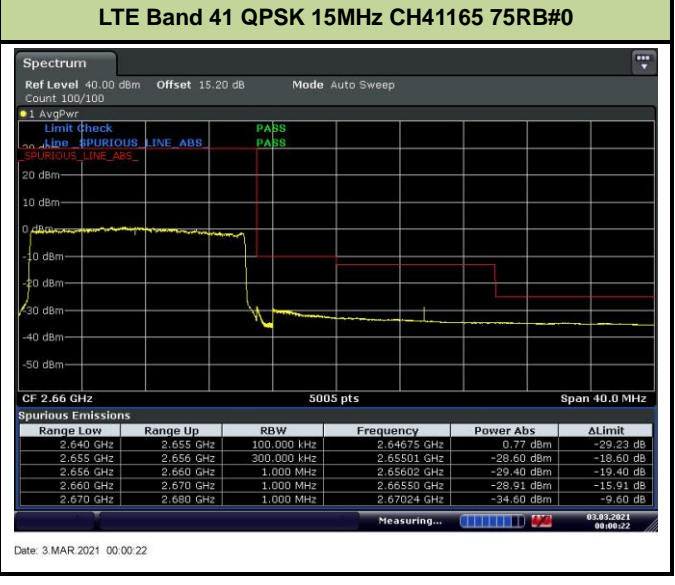
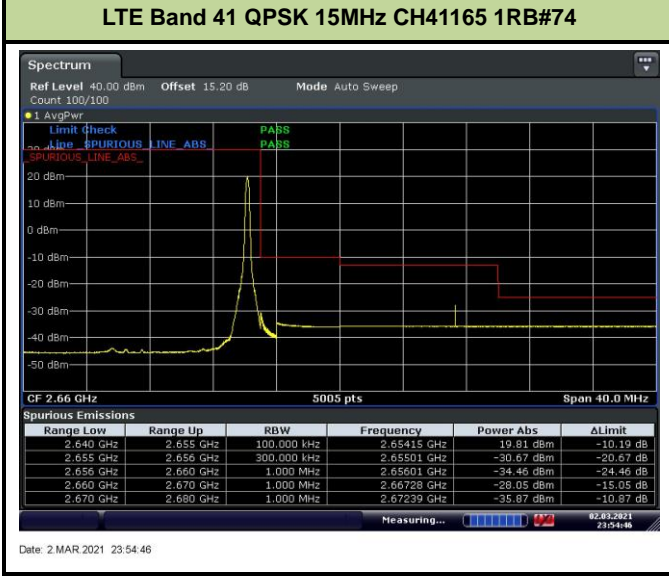
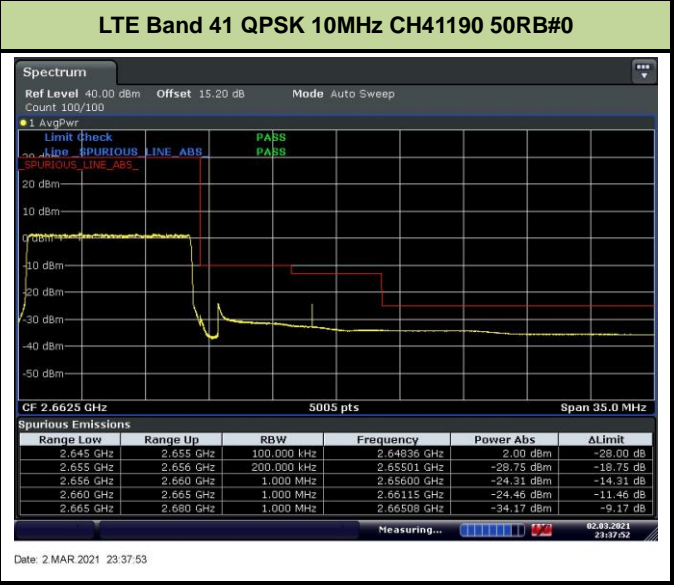
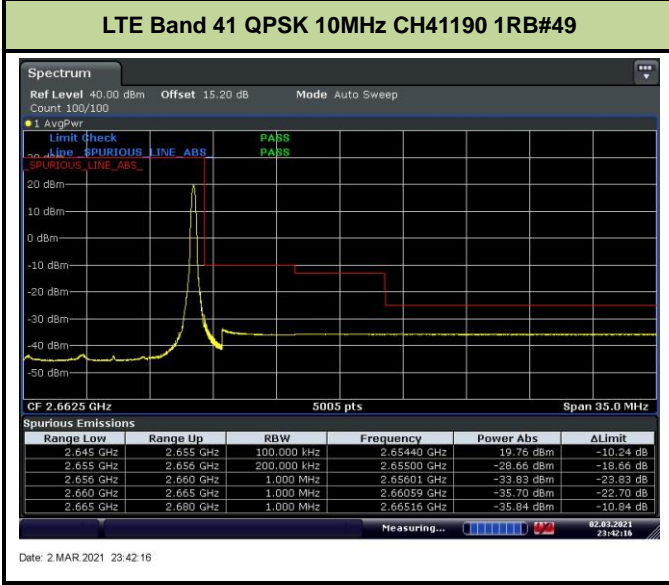
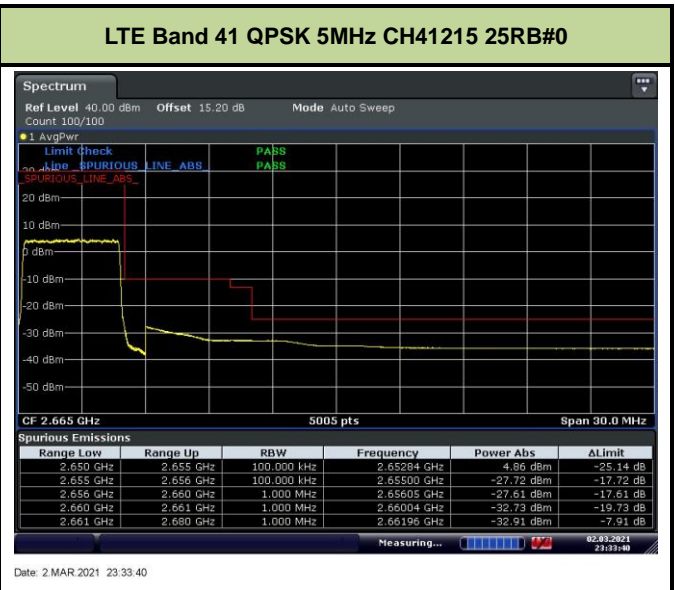
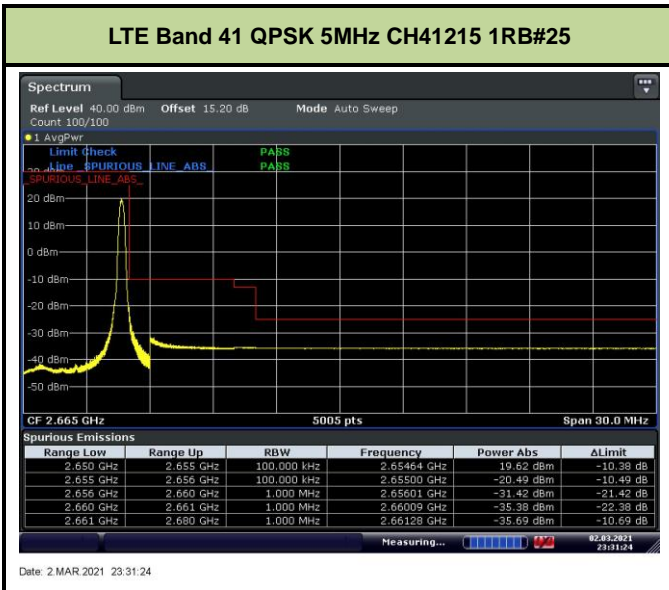
Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 41 (High Channel)	QPSK	CH41215 / 2652.5MHz	5	1	24	Pass
				25	0	Pass
		CH41190 / 2650MHz	10	1	49	Pass
				50	0	Pass
		CH41165 / 2647.5MHz	15	1	74	Pass
				75	0	Pass
	CH41140 / 2645MHz	20	1	99	Pass	
			100	0	Pass	
	16QAM	CH41215 / 2652.5MHz	5	1	24	Pass
				25	0	Pass
		CH41190 / 2650MHz	10	1	49	Pass
				50	0	Pass
		CH41165 / 2647.5MHz	15	1	74	Pass
				75	0	Pass
CH41140 / 2645MHz		20	1	99	Pass	
			100	0	Pass	

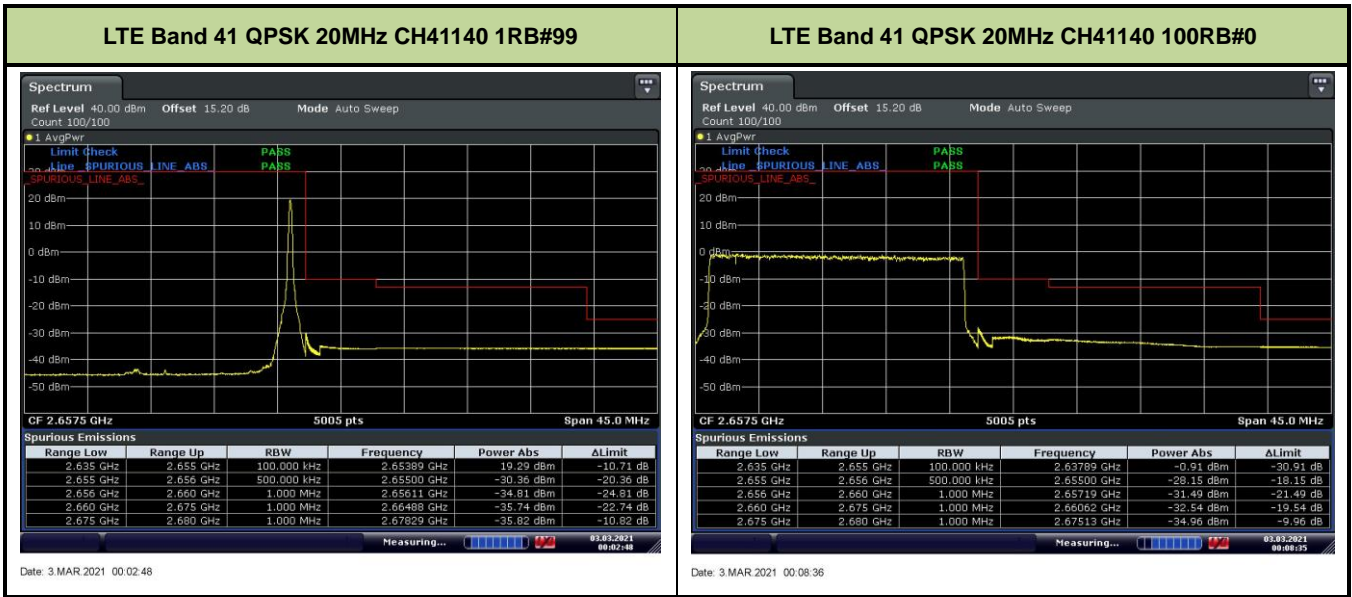


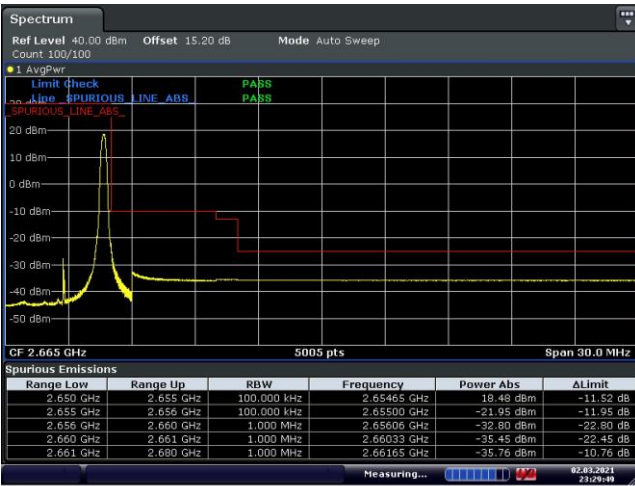








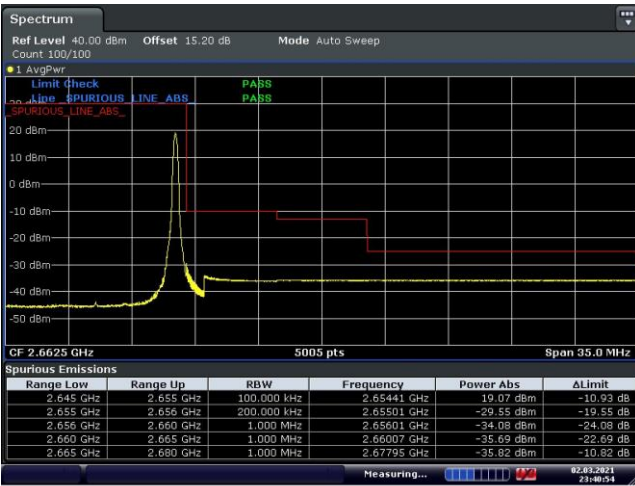


**LTE Band 41 16QAM 5MHz CH41215 1RB#24**


Date: 2.MAR.2021 23:29:49

**LTE Band 41 16QAM 5MHz CH41215 25RB#0**

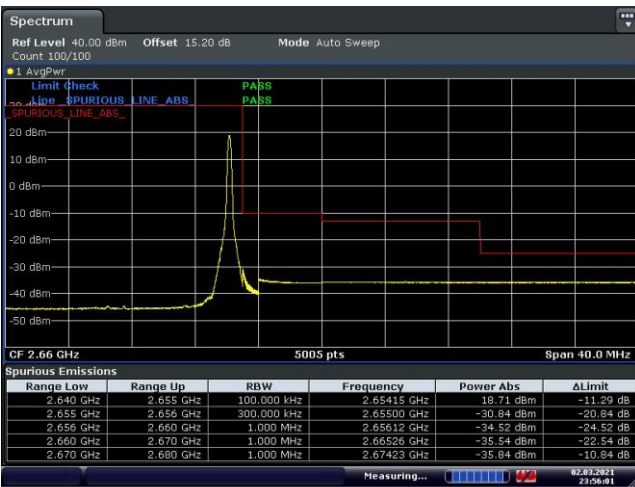

Date: 2.MAR.2021 23:35:10

**LTE Band 41 16QAM 10MHz CH41190 1RB#49**


Date: 2.MAR.2021 23:40:53

**LTE Band 41 16QAM 10MHz CH41190 50RB#0**


Date: 2.MAR.2021 23:39:33

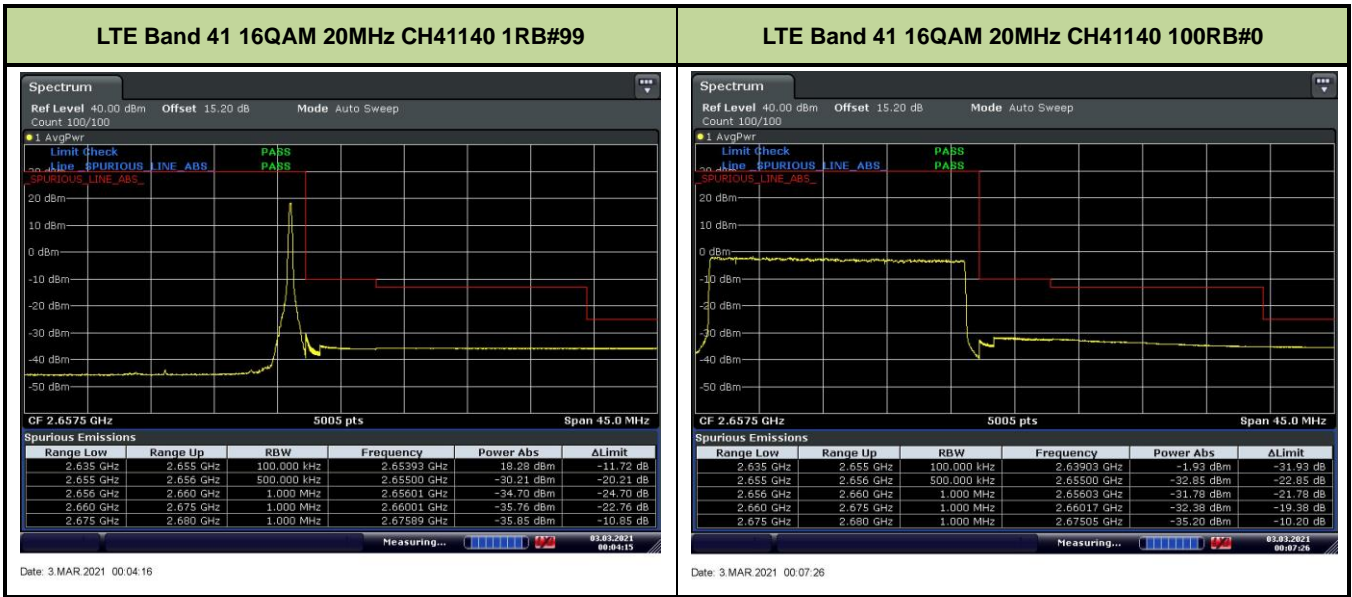
**LTE Band 41 16QAM 15MHz CH41165 1RB#74**


Date: 2.MAR.2021 23:56:02

**LTE Band 41 16QAM 15MHz CH41165 75RB#0**


Date: 2.MAR.2021 23:59:01





## 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(d)(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 EIRP 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

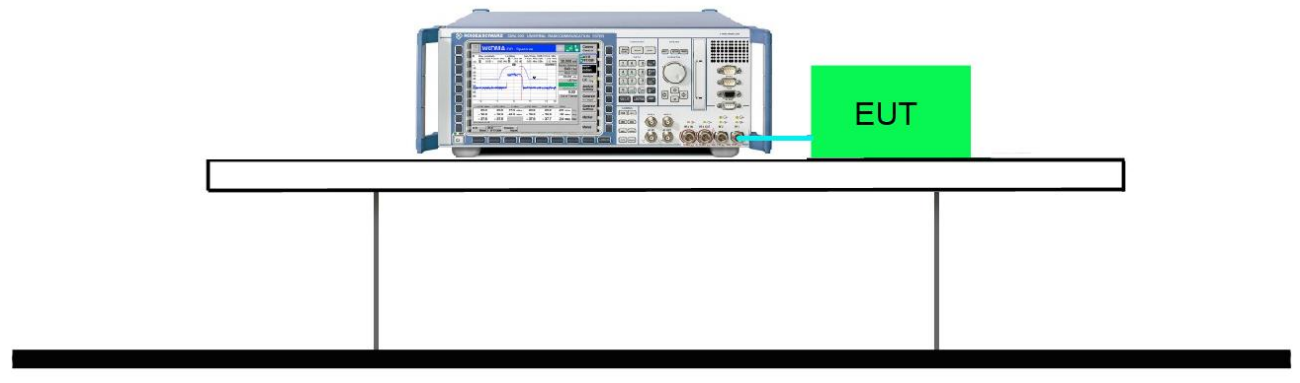
1. The EUT shall be placed at the specified height on a support, and in the position closest to normal use as declared by provider.
2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter
3. The output of the test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

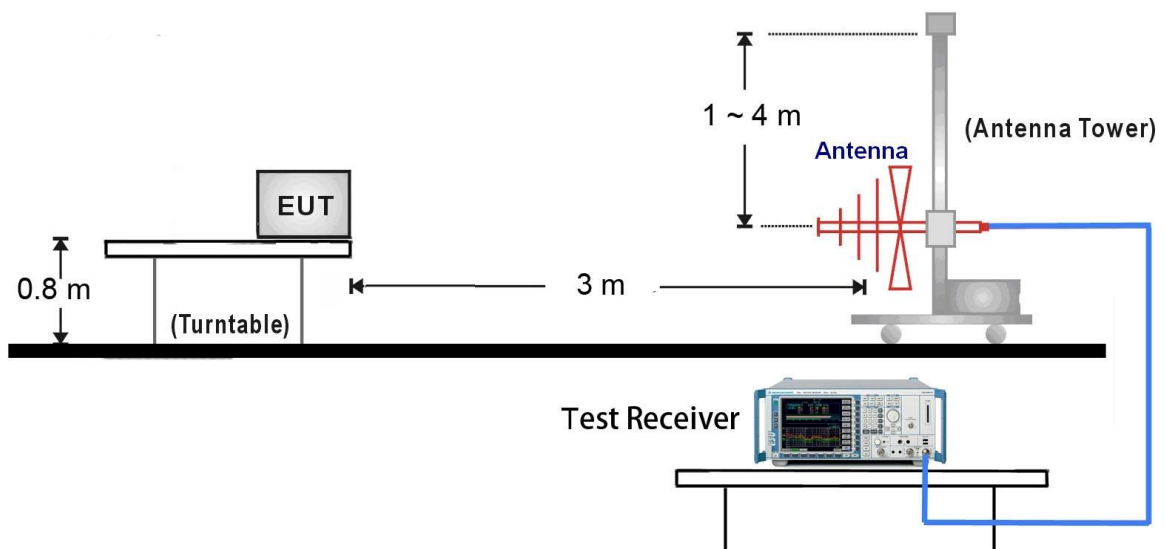
### 7.5.4 Test Setup

#### Conducted Power

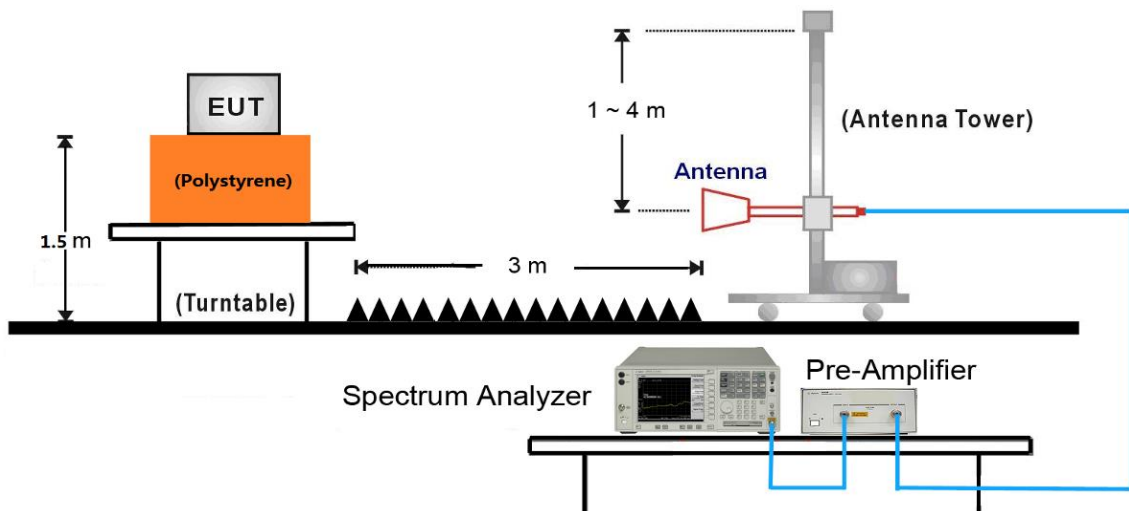


#### Radiated Power & Radiated Spurious Emissions

##### 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	23.39	1	#0	23.31	1	#0	23.45	1	#0	23.46	1	#0	23.42	1	#0	23.55	0
		1	#2	23.32	1	#7	23.25	1	#12	23.42	1	#25	23.43	1	#36	23.40	1	#49	23.52	0
		1	#5	23.27	1	#14	23.12	1	#24	23.41	1	#49	23.42	1	#74	23.39	1	#99	23.47	0
		3	#0	23.39	8	#0	22.42	12	#0	22.41	25	#0	22.38	36	#0	22.40	50	#0	22.51	0-1
		3	#2	23.31	8	#4	22.43	12	#6	23.40	25	#12	22.53	36	#18	22.45	50	#24	22.56	0-1
		3	#3	23.28	8	#7	22.38	12	#13	23.40	25	#25	22.51	36	#37	22.43	50	#49	22.58	0-1
	6	#0	22.32	15	#0	22.41	25	#0	22.40	50	#0	22.43	75	#0	22.45	100	#0	22.44	0-1	
	16QAM	1	#0	22.73	1	#0	22.68	1	#0	22.88	1	#0	22.79	1	#0	22.72	1	#0	22.68	0-1
		1	#2	22.71	1	#7	22.63	1	#12	22.86	1	#25	22.79	1	#36	22.74	1	#49	22.67	0-1
		1	#5	22.70	1	#14	22.63	1	#24	22.87	1	#49	22.78	1	#74	22.72	1	#99	22.64	0-1
		3	#0	21.86	8	#0	21.97	12	#0	22.24	25	#0	22.18	36	#0	22.15	50	#0	22.01	0-2
		3	#2	21.85	8	#4	21.95	12	#6	22.23	25	#12	22.16	36	#18	22.14	50	#24	22.05	0-2
3		#3	21.82	8	#7	21.63	12	#13	22.19	25	#25	22.13	36	#37	22.11	50	#49	22.03	0-2	
Mid	QPSK	18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			MPR
		1	#0	23.36	1	#0	23.34	1	#0	23.50	1	#0	23.48	1	#0	23.50	1	#0	23.56	0
		1	#2	23.34	1	#7	23.34	1	#12	23.47	1	#25	23.46	1	#36	23.48	1	#49	23.49	0
		1	#5	23.33	1	#14	23.31	1	#24	23.45	1	#49	23.42	1	#74	23.45	1	#99	23.43	0
		3	#0	23.38	8	#0	22.44	12	#0	22.36	25	#0	22.43	36	#0	22.42	50	#0	22.50	0-1
		3	#2	23.32	8	#4	22.42	12	#6	22.32	25	#12	22.43	36	#18	22.43	50	#24	22.49	0-1
	6	#0	22.38	15	#0	22.45	25	#0	22.45	50	#0	22.42	75	#0	22.41	100	#0	22.40	0-1	
	16QAM	1	#0	22.75	1	#0	22.70	1	#0	22.99	1	#0	22.88	1	#0	22.82	1	#0	22.70	0-1
		1	#2	22.73	1	#7	22.69	1	#12	22.99	1	#25	22.85	1	#36	22.81	1	#49	22.68	0-1
		1	#5	22.72	1	#14	22.67	1	#24	22.98	1	#49	22.86	1	#74	22.79	1	#99	22.68	0-1
		3	#0	22.25	8	#0	22.15	12	#0	22.28	25	#0	22.17	36	#0	22.23	50	#0	22.04	0-2
		3	#2	22.23	8	#4	22.14	12	#6	22.25	25	#12	22.14	36	#18	22.25	50	#24	22.03	0-2
3		#3	22.22	8	#7	22.12	12	#13	22.17	25	#25	22.12	36	#37	22.20	50	#49	22.06	0-2	
6	#0	22.01	15	#0	21.99	25	#0	21.97	50	#0	21.94	75	#0	21.95	100	#0	21.84	0-2		

		19193 (1909.3MHz)			19185 (1908.5MHz)			19175 (1907.5MHz)			19150 (1905MHz)			19125 (1902.5MHz)			19100 (1900MHz)			MPR
		1	#		1	#		1	#		1	#		1	#		1	#		
High	QPSK	1	#0	23.56	1	#0	23.45	1	#0	23.49	1	#0	23.61	1	#0	23.62	1	#0	23.76	0
		1	#2	23.55	1	#7	23.45	1	#12	23.46	1	#25	23.59	1	#36	23.58	1	#49	23.72	0
		1	#5	23.54	1	#14	23.43	1	#24	23.42	1	#49	23.54	1	#74	23.57	1	#99	23.70	0
		3	#0	23.23	8	#0	22.52	12	#0	22.47	25	#0	22.51	36	#0	22.54	50	#0	22.47	0-1
		3	#2	23.23	8	#4	22.48	12	#6	22.42	25	#12	22.53	36	#18	22.49	50	#24	22.47	0-1
		3	#3	23.21	8	#7	22.46	12	#13	22.40	25	#25	22.51	36	#37	22.48	50	#49	22.43	0-1
		6	#0	22.23	15	#0	22.44	25	#0	22.43	50	#0	22.52	75	#0	22.57	100	#0	22.46	0-1
	16QAM	1	#0	22.70	1	#0	22.78	1	#0	22.94	1	#0	22.78	1	#0	23.07	1	#0	23.64	0-1
		1	#2	22.68	1	#7	22.75	1	#12	22.92	1	#25	22.77	1	#36	23.05	1	#49	23.61	0-1
		1	#5	22.65	1	#14	22.72	1	#24	22.89	1	#49	22.76	1	#74	23.02	1	#99	23.59	0-1
		3	#0	22.19	8	#0	22.21	12	#0	22.26	25	#0	22.17	36	#0	22.50	50	#0	22.83	0-2
		3	#2	22.18	8	#4	22.19	12	#6	22.27	25	#12	22.15	36	#18	22.47	50	#24	22.82	0-2
		3	#3	22.14	8	#7	22.15	12	#13	22.23	25	#25	22.10	36	#37	22.45	50	#49	22.80	0-2
		6	#0	21.86	15	#0	21.80	25	#0	21.85	50	#0	21.77	75	#0	22.03	100	#0	22.37	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	23.53	1	#0	23.44	1	#0	23.54	1	#0	23.63	1	#0	23.52	1	#0	23.60	0
		1	#2	23.54	1	#7	23.45	1	#12	23.54	1	#25	23.60	1	#36	23.51	1	#49	23.55	0
		1	#5	23.51	1	#14	23.45	1	#24	23.52	1	#49	23.59	1	#74	23.49	1	#99	23.53	0
		3	#0	23.68	8	#0	22.59	12	#0	22.61	25	#0	22.57	36	#0	22.60	50	#0	22.58	0-1
		3	#2	23.67	8	#4	22.58	12	#6	22.53	25	#12	22.54	36	#18	22.58	50	#24	22.55	0-1
		3	#3	23.65	8	#7	22.59	12	#13	22.55	25	#25	22.53	36	#37	22.54	50	#49	22.57	0-1
	6	#0	22.45	15	#0	22.63	25	#0	22.63	50	#0	22.64	75	#0	22.48	100	#0	22.51	0-1	
	16QAM	1	#0	23.20	1	#0	22.99	1	#0	23.21	1	#0	23.26	1	#0	23.05	1	#0	22.91	0-1
		1	#2	23.18	1	#7	22.96	1	#12	23.17	1	#25	23.25	1	#36	23.04	1	#49	22.89	0-1
		1	#5	23.15	1	#14	22.97	1	#24	23.17	1	#49	23.23	1	#74	23.05	1	#99	22.98	0-1
		3	#0	22.96	8	#0	22.53	12	#0	22.37	25	#0	22.32	36	#0	22.45	50	#0	22.39	0-2
		3	#2	22.94	8	#4	22.51	12	#6	22.33	25	#12	22.28	36	#18	22.42	50	#24	22.36	0-2
3		#3	22.91	8	#7	22.48	12	#13	22.31	25	#25	22.25	36	#37	22.40	50	#49	22.35	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	23.45	1	#0	23.47	1	#0	23.52	1	#0	23.57	1	#0	23.43	1	#0	23.56	0
		1	#2	23.44	1	#7	23.44	1	#12	23.52	1	#25	23.56	1	#36	23.40	1	#49	23.58	0
		1	#5	23.41	1	#14	23.46	1	#24	23.48	1	#49	23.53	1	#74	23.38	1	#99	23.53	0
		3	#0	23.53	8	#0	22.53	12	#0	22.54	25	#0	22.53	36	#0	22.58	50	#0	22.57	0-1
		3	#2	23.52	8	#4	22.52	12	#6	22.50	25	#12	22.47	36	#18	22.52	50	#24	22.53	0-1
	6	#0	22.44	15	#0	22.57	25	#0	22.51	50	#0	22.53	75	#0	22.57	100	#0	22.50	0-1	
	16QAM	1	#0	22.92	1	#0	22.81	1	#0	23.03	1	#0	22.90	1	#0	22.86	1	#0	22.88	0-1
		1	#2	22.90	1	#7	22.81	1	#12	23.01	1	#25	22.88	1	#36	22.85	1	#49	22.83	0-1
		1	#5	22.89	1	#14	22.79	1	#24	22.98	1	#49	22.89	1	#74	22.85	1	#99	22.85	0-1
		3	#0	22.71	8	#0	22.28	12	#0	22.36	25	#0	22.26	36	#0	22.22	50	#0	22.41	0-2
		3	#2	22.68	8	#4	22.26	12	#6	22.31	25	#12	22.23	36	#18	22.18	50	#24	22.37	0-2
3		#3	22.66	8	#7	22.19	12	#13	22.30	25	#25	22.26	36	#37	22.16	50	#49	22.34	0-2	
6	#0	21.94	15	#0	21.90	25	#0	22.05	50	#0	21.85	75	#0	21.73	100	#0	21.76	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	23.48	1	#0	23.51	1	#0	23.57	1	#0	23.53	1	#0	23.40	1	#0	23.55	0
		1	#2	23.46	1	#7	23.50	1	#12	23.55	1	#25	23.54	1	#36	23.37	1	#49	23.53	0
		1	#5	23.45	1	#14	23.48	1	#24	23.53	1	#49	23.53	1	#74	23.36	1	#99	23.54	0
		3	#0	23.51	8	#0	22.55	12	#0	22.53	25	#0	22.58	36	#0	22.53	50	#0	22.56	0-1
		3	#2	23.45	8	#4	22.49	12	#6	22.45	25	#12	22.46	36	#18	22.40	50	#24	22.49	0-1
		3	#3	23.42	8	#7	22.47	12	#13	22.42	25	#25	22.42	36	#37	22.37	50	#49	22.42	0-1
		6	#0	22.51	15	#0	22.63	25	#0	22.58	50	#0	22.63	75	#0	22.43	100	#0	22.52	0-1
	16QAM	1	#0	22.91	1	#0	22.89	1	#0	23.13	1	#0	22.98	1	#0	22.86	1	#0	22.77	0-1
		1	#2	22.90	1	#7	22.89	1	#12	23.11	1	#25	22.96	1	#36	22.84	1	#49	22.75	0-1
		1	#5	22.87	1	#14	22.86	1	#24	23.10	1	#49	22.98	1	#74	22.83	1	#99	22.76	0-1
		3	#0	22.74	8	#0	22.40	12	#0	22.46	25	#0	22.42	36	#0	22.42	50	#0	22.35	0-2
		3	#2	22.70	8	#4	22.38	12	#6	22.42	25	#12	22.35	36	#18	22.38	50	#24	22.31	0-2
		3	#3	22.62	8	#7	22.37	12	#13	22.39	25	#25	22.33	36	#37	22.35	50	#49	22.29	0-2
		6	#0	21.85	15	#0	21.76	25	#0	22.08	50	#0	21.92	75	#0	21.81	100	#0	21.68	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	23.93	1	#0	23.98	1	#0	24.01	1	#0	24.01	0
		1	#2	23.92	1	#7	23.96	1	#12	24.00	1	#25	24.00	0
		1	#5	23.90	1	#14	23.96	1	#24	23.98	1	#49	23.97	0
		3	#0	23.92	8	#0	23.01	12	#0	22.96	25	#0	23.00	0-1
		3	#2	23.88	8	#4	22.98	12	#6	22.95	25	#12	22.97	0-1
		3	#3	23.87	8	#7	22.96	12	#13	22.93	25	#25	22.95	0-1
		6	#0	22.99	15	#0	22.99	25	#0	23.04	50	#0	23.15	0-1
	16QAM	1	#0	23.48	1	#0	23.41	1	#0	23.66	1	#0	23.48	0-1
		1	#2	23.47	1	#7	23.38	1	#12	23.65	1	#25	23.45	0-1
		1	#5	23.42	1	#14	23.36	1	#24	23.61	1	#49	23.44	0-1
		3	#0	22.75	8	#0	22.85	12	#0	22.81	25	#0	22.93	0-2
		3	#2	22.73	8	#4	22.83	12	#6	22.79	25	#12	22.88	0-2
		3	#3	22.70	8	#7	22.80	12	#13	22.76	25	#25	22.84	0-2
		6	#0	22.61	15	#0	22.78	25	#0	22.69	50	#0	22.35	0-2
Mid	QPSK	CH20525 (836.5MHz)			CH20525 (836.5MHz)			CH 0525 (836.5MHz)			CH20525 (836.5MHz)			MPR
		1	#0	23.91	1	#0	24.01	1	#0	24.03	1	#0	24.12	0
		1	#2	23.91	1	#7	23.99	1	#12	24.01	1	#25	24.11	0
		1	#5	23.90	1	#14	24.01	1	#24	24.01	1	#49	24.12	0
		3	#0	23.98	8	#0	23.05	12	#0	23.11	25	#0	23.10	0-1
		3	#2	23.97	8	#4	23.04	12	#6	23.09	25	#12	23.11	0-1
		3	#3	23.95	8	#7	23.03	12	#13	23.06	25	#25	23.10	0-1
	6	#0	22.91	15	#0	22.98	25	#0	23.07	50	#0	23.04	0-1	
	16QAM	1	#0	23.49	1	#0	23.44	1	#0	23.67	1	#0	23.62	0-1
		1	#2	23.44	1	#7	23.39	1	#12	23.65	1	#25	23.58	0-1
		1	#5	23.42	1	#14	23.36	1	#24	23.62	1	#49	23.56	0-1
		3	#0	23.31	8	#0	22.90	12	#0	23.02	25	#0	22.86	0-2
		3	#2	23.28	8	#4	22.86	12	#6	22.98	25	#12	22.83	0-2
		3	#3	23.16	8	#7	22.84	12	#13	22.97	25	#25	22.82	0-2
6		#0	22.72	15	#0	22.55	25	#0	22.59	50	#0	22.48	0-2	

		CH20643 (848.3MHz)			CH20635 (847.5MHz)			CH20625 (846.5MHz)			CH20600 (844MHz)			MPR
High	QPSK	1	#0	23.83	1	#0	23.89	1	#0	24.06	1	#0	23.86	0
		1	#2	23.83	1	#7	23.87	1	#12	24.05	1	#25	23.85	0
		1	#5	23.83	1	#14	23.87	1	#24	24.02	1	#49	23.85	0
		3	#0	23.84	8	#0	22.90	12	#0	22.92	25	#0	22.88	0-1
		3	#2	23.82	8	#4	22.90	12	#6	22.93	25	#12	22.86	0-1
		3	#3	23.83	8	#7	22.91	12	#13	22.91	25	#25	22.85	0-1
		6	#0	22.85	15	#0	22.93	25	#0	22.94	50	#0	22.87	0-1
	16QAM	1	#0	23.20	1	#0	23.22	1	#0	23.50	1	#0	23.30	0-1
		1	#2	23.17	1	#7	23.20	1	#12	23.50	1	#25	23.27	0-1
		1	#5	23.15	1	#14	23.19	1	#24	23.48	1	#49	23.25	0-1
		3	#0	22.96	8	#0	22.83	12	#0	22.75	25	#0	22.80	0-2
		3	#2	22.94	8	#4	22.81	12	#6	22.74	25	#12	22.77	0-2
		3	#3	22.91	8	#7	22.78	12	#13	22.71	25	#25	22.75	0-2
		6	#0	22.76	15	#0	22.87	25	#0	22.73	50	#0	22.58	0-2

LTE Band 7		5MHz			10MHz			15MHz			20MHz			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	
		CH20775 (2502.5MHz)			CH20800 (2505MHz)			CH20825 (2507.5MHz)			CH20850 (2510MHz)			
Low	QPSK	1	#0	20.75	1	#0	20.73	1	#0	20.67	1	#0	20.77	0
		1	#12	20.75	1	#25	20.72	1	#36	20.68	1	#49	20.76	0
		1	#24	20.73	1	#49	20.71	1	#74	20.67	1	#99	20.74	0
		12	#0	19.49	25	#0	19.52	36	#0	19.44	50	#0	19.41	0-1
		12	#6	19.46	25	#12	19.51	36	#18	19.42	50	#24	19.40	0-1
		12	#13	19.44	25	#25	19.50	36	#37	19.39	50	#49	19.40	0-1
		25	#0	19.50	50	#0	19.40	75	#0	19.31	100	#0	19.38	0-1
	16QAM	1	#0	20.04	1	#0	19.90	1	#0	19.84	1	#0	19.84	0-1
		1	#12	20.02	1	#25	19.90	1	#36	19.83	1	#49	19.81	0-1
		1	#24	20.01	1	#49	19.89	1	#74	19.84	1	#99	19.79	0-1
		12	#0	19.42	25	#0	18.84	36	#0	19.35	50	#0	18.83	0-2
		12	#6	19.38	25	#12	18.82	36	#18	19.36	50	#24	18.81	0-2
		12	#13	19.35	25	#25	18.79	36	#37	19.28	50	#49	18.80	0-2
		25	#0	18.88	50	#0	18.81	75	#0	18.85	100	#0	18.80	0-2
Mid	QPSK	CH21100 (2535MHz)			CH21100 (2535MHz)			CH21100 (2535MHz)			CH21100 (2535MHz)			MPR
		1	#0	20.35	1	#0	20.30	1	#0	20.40	1	#0	20.76	0
		1	#12	20.34	1	#25	20.28	1	#36	20.39	1	#49	20.75	0
		1	#24	20.32	1	#49	20.27	1	#74	20.36	1	#99	20.73	0
		12	#0	19.20	25	#0	19.18	36	#0	19.39	50	#0	19.37	0-1
		12	#6	19.17	25	#12	19.15	36	#18	19.36	50	#24	19.35	0-1
		12	#13	19.16	25	#25	19.14	36	#37	19.34	50	#49	19.31	0-1
	25	#0	19.19	50	#0	19.26	75	#0	19.33	100	#0	19.22	0-1	
	16QAM	1	#0	19.77	1	#0	19.58	1	#0	19.76	1	#0	19.77	0-1
		1	#12	19.74	1	#25	19.56	1	#36	19.77	1	#49	19.77	0-1
		1	#24	19.75	1	#49	19.56	1	#74	19.76	1	#99	19.76	0-1
		12	#0	18.46	25	#0	18.63	36	#0	18.73	50	#0	18.88	0-2
		12	#6	18.44	25	#12	18.61	36	#18	18.73	50	#24	18.85	0-2
		12	#13	18.45	25	#25	18.58	36	#37	18.72	50	#49	18.84	0-2
25		#0	18.46	50	#0	18.61	75	#0	18.70	100	#0	18.87	0-2	

		CH21425 (2567.5MHz)			CH21400 (2565MHz)			CH21375 (2562.5MHz)			CH21350 (2560MHz)			MPR
High	QPSK	1	#0	20.35	1	#0	20.34	1	#0	20.45	1	#0	20.56	0
		1	#12	20.34	1	#25	20.32	1	#36	20.45	1	#49	20.55	0
		1	#24	20.34	1	#49	20.31	1	#74	20.44	1	#99	20.53	0
		12	#0	19.35	25	#0	19.26	36	#0	19.27	50	#0	19.34	0-1
		12	#6	19.31	25	#12	19.23	36	#18	19.26	50	#24	19.32	0-1
		12	#13	19.29	25	#25	19.19	36	#37	19.24	50	#49	19.27	0-1
		25	#0	19.30	50	#0	19.28	75	#0	19.30	100	#0	19.30	0-1
	16QAM	1	#0	19.68	1	#0	19.83	1	#0	19.69	1	#0	19.55	0-1
		1	#12	19.65	1	#25	19.82	1	#36	19.69	1	#49	19.54	0-1
		1	#24	19.67	1	#49	19.81	1	#74	19.69	1	#99	19.52	0-1
		12	#0	18.66	25	#0	18.72	36	#0	18.68	50	#0	18.79	0-2
		12	#6	18.63	25	#12	18.73	36	#18	18.67	50	#24	18.77	0-2
		12	#13	18.61	25	#25	18.69	36	#37	18.65	50	#49	18.77	0-2
		25	#0	18.64	50	#0	18.70	75	#0	18.64	100	#0	18.78	0-2

LTE Band 17		5MHz			10MHz			MPR
Channel	Modulation	RB No.	RB Offset	Max Power	RB No.	RB Offset	Max Power	
		CH23755 (706.5MHz)			CH23780 (709MHz)			
Low	QPSK	1	#0	24.12	1	#0	24.19	
		1	#12	24.10	1	#25	24.18	0
		1	#24	24.09	1	#49	24.15	0
		12	#0	23.18	25	#0	23.14	0-1
		12	#6	23.12	25	#12	23.11	0-1
		12	#13	23.09	25	#25	23.06	0-1
		25	#0	23.14	50	#0	23.13	0-1
	16QAM	1	#0	23.76	1	#0	23.54	0-1
		1	#12	23.74	1	#25	23.51	0-1
		1	#24	23.73	1	#49	23.50	0-1
		12	#0	22.58	25	#0	22.31	0-2
		12	#6	22.52	25	#12	22.28	0-2
		12	#13	22.47	25	#25	22.25	0-2
		25	#0	22.48	50	#0	22.26	0-2
Mid	QPSK	CH23790 (710MHz)			CH23790 (710MHz)			MPR
		1	#0	24.13	1	#0	23.05	0
		1	#12	24.11	1	#25	23.05	0
		1	#24	24.08	1	#49	23.02	0
		12	#0	23.12	25	#0	24.18	0-1
		12	#6	23.09	25	#12	24.17	0-1
		12	#13	23.10	25	#25	24.15	0-1
	25	#0	23.05	50	#0	23.13	0-1	
	16QAM	1	#0	23.70	1	#0	23.68	0-1
		1	#12	23.68	1	#25	23.66	0-1
		1	#24	23.69	1	#49	23.63	0-1
		12	#0	22.52	25	#0	23.27	0-2
		12	#6	22.48	25	#12	23.23	0-2
		12	#13	22.49	25	#25	23.14	0-2
25		#0	22.47	50	#0	22.54	0-2	

		CH23825 (713.5MHz)			CH23800 (711MHz)			MPR
High	QPSK	1	#0	24.16	1	#0	24.19	0
		1	#12	24.16	1	#25	24.17	0
		1	#24	24.14	1	#49	24.15	0
		12	#0	23.09	25	#0	23.10	0-1
		12	#6	23.04	25	#12	23.06	0-1
		12	#13	23.01	25	#25	23.04	0-1
		25	#0	23.04	50	#0	23.14	0-1
	16QAM	1	#0	23.29	1	#0	23.56	0-1
		1	#12	23.26	1	#25	23.55	0-1
		1	#24	23.26	1	#49	23.53	0-1
		12	#0	23.02	25	#0	22.29	0-2
		12	#6	22.97	25	#12	22.27	0-2
		12	#13	22.96	25	#25	22.20	0-2
		25	#0	22.83	50	#0	22.37	0-2

LTE Band 41		5MHz			10MHz			15MHz			20MHz			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	
		CH40265 / 2557.5MHz			CH40290 / 2560MHz			CH40315 / 2562.5MHz			CH40340 / 2565MHz			
Low	QPSK	1	#0	23.64	1	#0	23.53	1	#0	23.51	1	#0	23.56	0
		1	#12	23.65	1	#25	23.52	1	#36	23.50	1	#49	23.55	0
		1	#24	23.63	1	#49	23.52	1	#74	23.48	1	#99	23.54	0
		12	#0	22.48	25	#0	22.50	36	#0	22.49	50	#0	22.49	0-1
		12	#6	22.46	25	#12	22.50	36	#18	22.47	50	#24	22.48	0-1
		12	#13	22.46	25	#25	22.51	36	#37	22.48	50	#49	22.47	0-1
		25	#0	22.49	50	#0	22.53	75	#0	22.51	100	#0	22.55	0-1
	16QAM	1	#0	23.04	1	#0	22.87	1	#0	22.84	1	#0	22.86	0-1
		1	#12	23.08	1	#25	22.88	1	#36	22.84	1	#49	22.85	0-1
		1	#24	23.05	1	#49	22.86	1	#74	22.83	1	#99	22.86	0-1
		12	#0	22.01	25	#0	21.83	36	#0	21.82	50	#0	21.81	0-2
		12	#6	21.98	25	#12	21.80	36	#18	21.80	50	#24	21.77	0-2
		12	#13	21.96	25	#25	21.78	36	#37	21.79	50	#49	21.75	0-2
		25	#0	21.84	50	#0	21.76	75	#0	21.75	100	#0	21.76	0-2
Mid	QPSK	CH40740 / 2605MHz			CH40740 / 2605MHz			CH40740 / 2605MHz			CH40740 / 2605MHz			MPR
		1	#0	23.58	1	#0	23.53	1	#0	23.41	1	#0	23.51	0
		1	#12	23.56	1	#25	23.52	1	#36	23.42	1	#49	23.53	0
		1	#24	23.58	1	#49	23.52	1	#74	23.41	1	#99	23.51	0
		12	#0	22.56	25	#0	22.56	36	#0	22.39	50	#0	22.38	0-1
		12	#6	22.56	25	#12	22.57	36	#18	22.38	50	#24	22.35	0-1
		12	#13	22.55	25	#25	22.53	36	#37	22.38	50	#49	22.36	0-1
		25	#0	22.60	50	#0	22.58	75	#0	22.38	100	#0	22.49	0-1
	16QAM	1	#0	23.18	1	#0	22.96	1	#0	22.86	1	#0	22.85	0-1
		1	#12	23.17	1	#25	22.00	1	#36	22.85	1	#49	22.85	0-1
		1	#24	23.18	1	#49	22.01	1	#74	22.85	1	#99	22.86	0-1
		12	#0	22.15	25	#0	21.89	36	#0	21.78	50	#0	21.82	0-2
		12	#6	22.14	25	#12	21.89	36	#18	21.77	50	#24	21.80	0-2
		12	#13	22.11	25	#25	21.86	36	#37	21.74	50	#49	21.77	0-2
25	#0	22.13	50	#0	21.85	75	#0	21.69	100	#0	21.78	0-2		



		CH41215 / 2652.5MHz			CH41190 / 2650MHz			CH41165 / 2647.5MHz			CH41140 / 2645MHz			MPR
High	QPSK	1	#0	23.82	1	#0	23.66	1	#0	23.58	1	#0	23.62	0
		1	#12	23.83	1	#25	23.65	1	#36	23.55	1	#49	23.61	0
		1	#24	23.82	1	#49	23.64	1	#74	23.57	1	#99	23.60	0
		12	#0	22.80	25	#0	22.79	36	#0	22.65	50	#0	22.66	0-1
		12	#6	22.78	25	#12	22.80	36	#18	22.66	50	#24	22.65	0-1
		12	#13	22.79	25	#25	22.78	36	#37	22.67	50	#49	22.66	0-1
		25	#0	22.74	50	#0	22.79	75	#0	22.62	100	#0	22.65	0-1
	16QAM	1	#0	23.34	1	#0	23.08	1	#0	22.92	1	#0	22.99	0-1
		1	#12	23.32	1	#25	23.07	1	#36	22.93	1	#49	22.99	0-1
		1	#24	23.33	1	#49	23.05	1	#74	22.92	1	#99	22.98	0-1
		12	#0	22.30	25	#0	21.85	36	#0	21.81	50	#0	22.06	0-2
		12	#6	22.31	25	#12	21.84	36	#18	21.78	50	#24	22.04	0-2
		12	#13	22.28	25	#25	21.82	36	#37	21.77	50	#49	22.05	0-2
		25	#0	22.27	50	#0	21.83	75	#0	21.73	100	#0	22.01	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	2.34	1.07	4.61	5.89	33	-27.11
1850.7	V	4.19	1.07	4.61	7.74	33	-25.26
QPSK, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	2.39	1.07	4.59	5.91	33	-27.09
1851.5	V	4.27	1.07	4.59	7.79	33	-25.21
QPSK, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	2.49	1.07	4.56	5.98	33	-27.02
1852.5	V	4.20	1.07	4.56	7.69	33	-25.31
QPSK, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	2.52	1.07	4.56	6.01	33	-26.99
1855	V	4.23	1.07	4.56	7.72	33	-25.28
QPSK, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	2.63	1.07	4.56	6.12	33	-26.88
1857.5	V	4.18	1.07	4.56	7.67	33	-25.33
QPSK, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	2.66	1.07	4.56	6.15	33	-26.85
1860	V	4.12	1.07	4.56	7.61	33	-25.39

**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 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	1.22	1.07	4.61	4.77	33	-28.23
1850.7	V	3.04	1.07	4.61	6.59	33	-26.41
16QAM, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	1.36	1.07	4.59	4.88	33	-28.12
1851.5	V	3.07	1.07	4.59	6.59	33	-26.41
16QAM, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	1.30	1.07	4.56	4.79	33	-28.21
1852.5	V	3.28	1.07	4.56	6.77	33	-26.23
16QAM, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	1.75	1.07	4.56	5.24	33	-27.76
1855	V	3.17	1.07	4.56	6.66	33	-26.34
16QAM, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	1.54	1.07	4.56	5.03	33	-27.97
1857.5	V	3.10	1.07	4.56	6.59	33	-26.41
16QAM, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	1.60	1.07	4.56	5.09	33	-27.91
1860	V	3.06	1.07	4.56	6.55	33	-26.45

**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 (Mid Channel)							
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	3.15	1.07	4.61	6.70	33	-26.30
1880	V	4.26	1.07	4.61	7.81	33	-25.19
QPSK, CH18900 / 1880MHz, Bandwidth 3MHz							
1880	H	3.07	1.07	4.59	6.59	33	-26.41
1880	V	4.22	1.07	4.59	7.74	33	-25.26
QPSK, CH18900 / 1880MHz, Bandwidth 5MHz							
1880	H	2.93	1.07	4.56	6.42	33	-26.58
1880	V	4.19	1.07	4.56	7.68	33	-25.32
QPSK, CH18900 / 1880MHz, Bandwidth 10MHz							
1880	H	3.06	1.07	4.56	6.55	33	-26.45
1880	V	4.28	1.07	4.56	7.77	33	-25.23
QPSK, CH18900 / 1880MHz, Bandwidth 15MHz							
1880	H	3.13	1.07	4.56	6.62	33	-26.38
1880	V	4.20	1.07	4.56	7.69	33	-25.31
QPSK, CH18900 / 1880MHz, Bandwidth 20MHz							
1880	H	3.02	1.07	4.56	6.51	33	-26.49
1880	V	4.34	1.07	4.56	7.83	33	-25.17

**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.