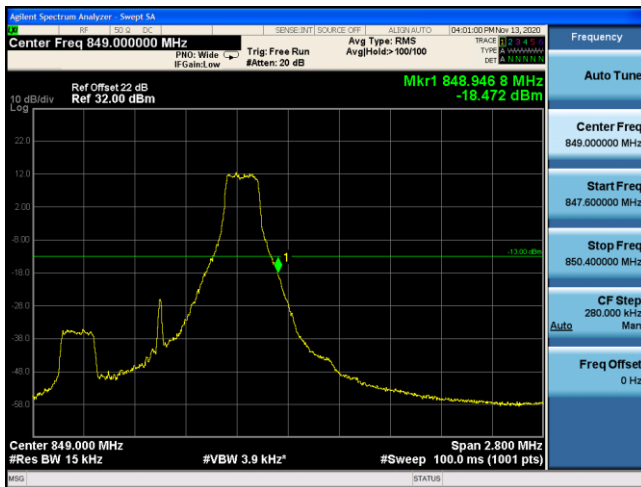


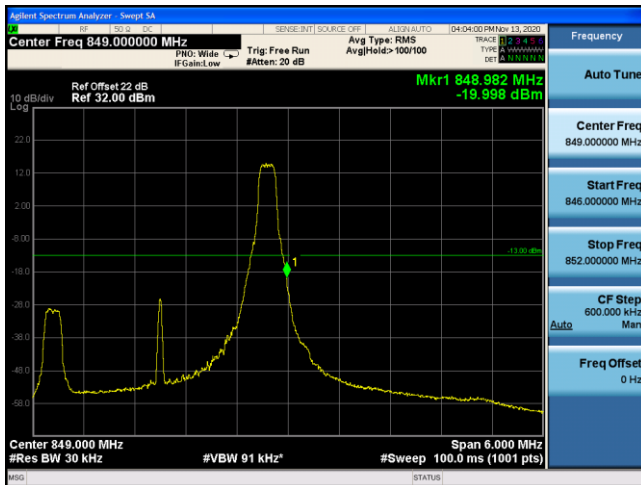
LTE Band 5 16QAM 1.4MHz CH20643 1RB#5



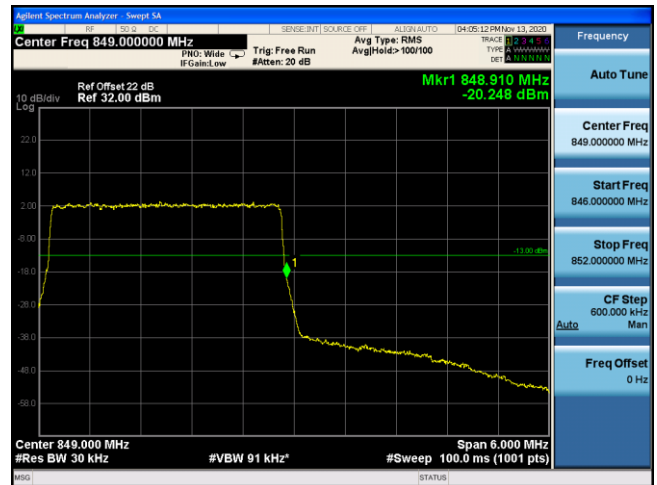
LTE Band 5 16QAM 1.4MHz CH20643 6RB#0



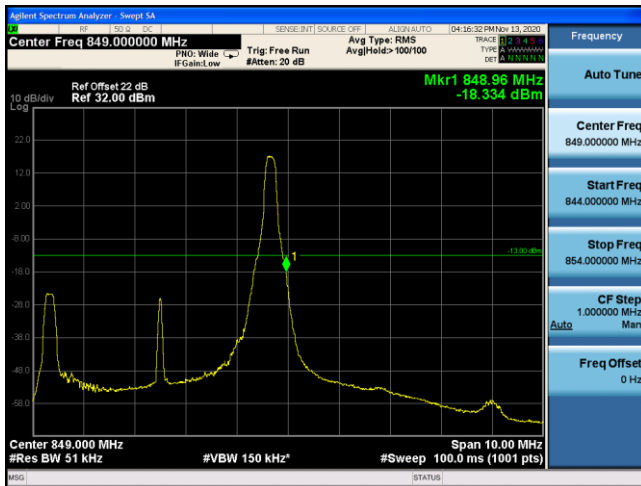
LTE Band 5 16QAM 3MHz CH20635 1RB#14



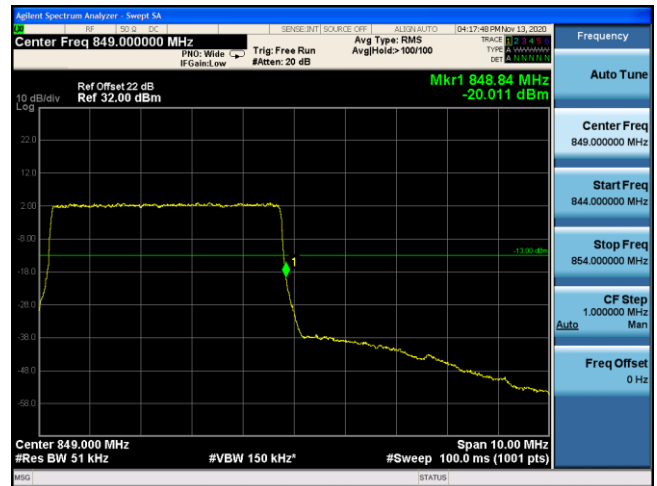
LTE Band 5 16QAM 3MHz CH20635 15RB#0

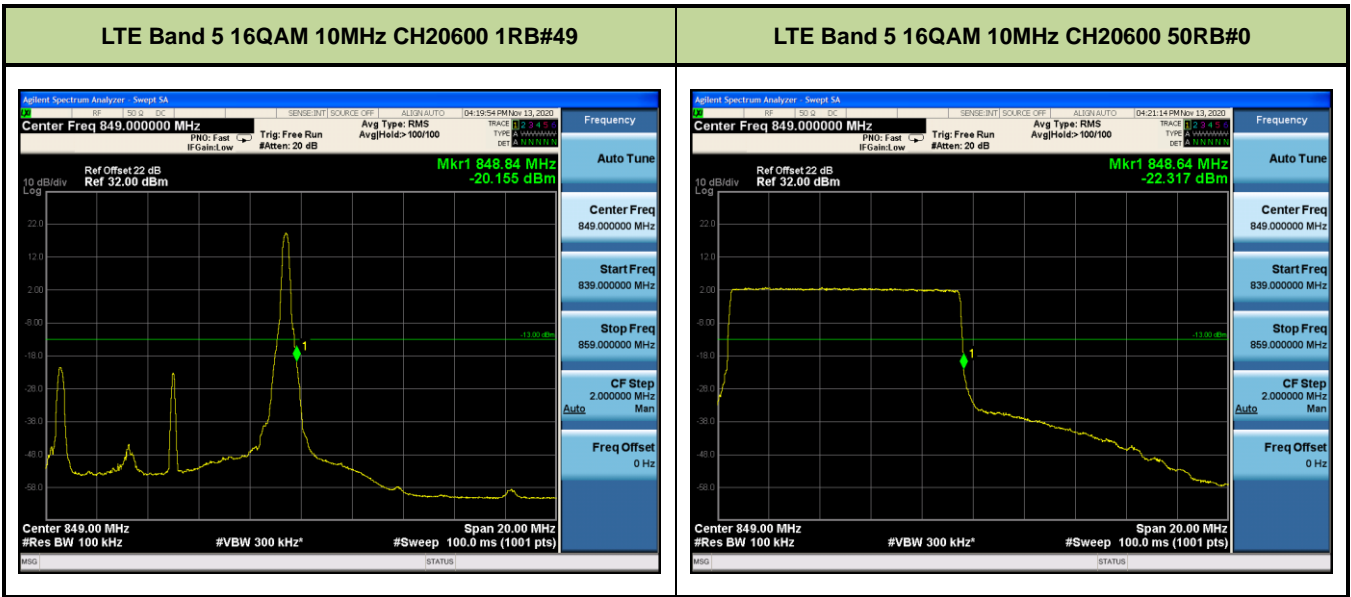


LTE Band 5 16QAM 5MHz CH20625 1RB#24



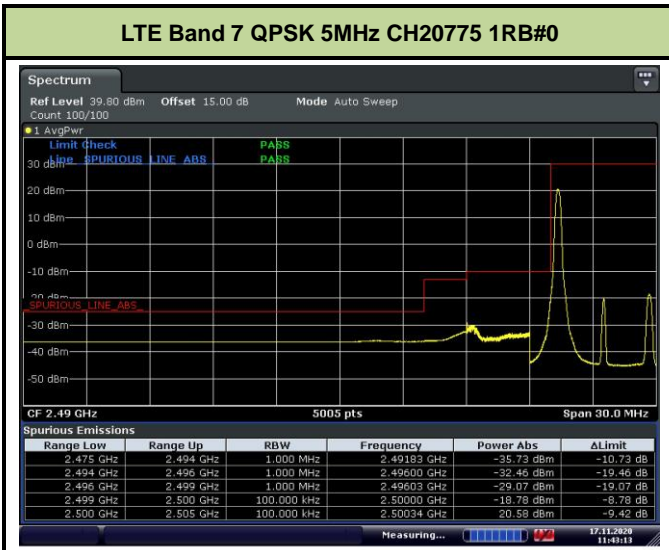
LTE Band 5 16QAM 5MHz CH20625 25RB#0



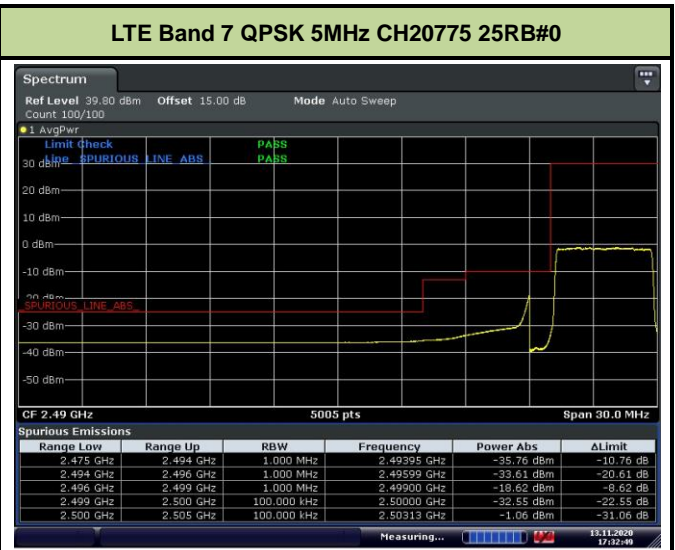


Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 7 (Low Channel)	QPSK	CH20775 / 2502.5MHz	5	1	24	Pass
				25	0	Pass
		CH20800 / 2505MHz	10	1	49	Pass
				50	0	Pass
		CH20825 / 2507.5MHz	15	1	74	Pass
				75	0	Pass
	CH20850 / 2510MHz	20	1	99	Pass	
			100	0	Pass	
	16QAM	CH20775 / 2502.5MHz	5	1	24	Pass
				25	0	Pass
		CH20800 / 2505MHz	10	1	49	Pass
				50	0	Pass
		CH20825 / 2507.5MHz	15	1	74	Pass
				75	0	Pass
CH20850 / 2510MHz		20	1	99	Pass	
			100	0	Pass	

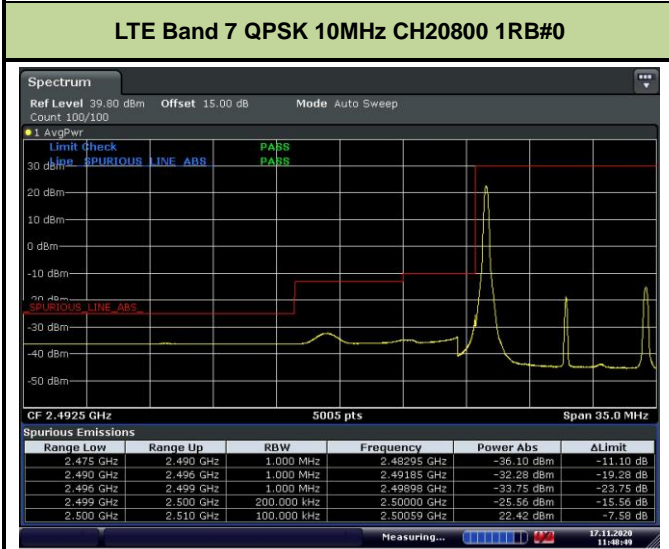
Test Mode	Modulation	Channel / Frequency (MHz)	Bandwidth (MHz)	RB Size	RB Offset	Test Result
LTE Band 7 (High Channel)	QPSK	CH21425 / 2567.5MHz	5	1	24	Pass
				25	0	Pass
		CH21400 / 2565MHz	10	1	49	Pass
				50	0	Pass
		CH21375 / 2562.5MHz	15	1	74	Pass
				75	0	Pass
	CH21350 / 2560MHz	20	1	99	Pass	
			100	0	Pass	
	16QAM	CH21425 / 2567.5MHz	5	1	24	Pass
				25	0	Pass
		CH21400 / 2565MHz	10	1	49	Pass
				50	0	Pass
		CH21375 / 2562.5MHz	15	1	74	Pass
				75	0	Pass
CH21350 / 2560MHz		20	1	99	Pass	
			100	0	Pass	



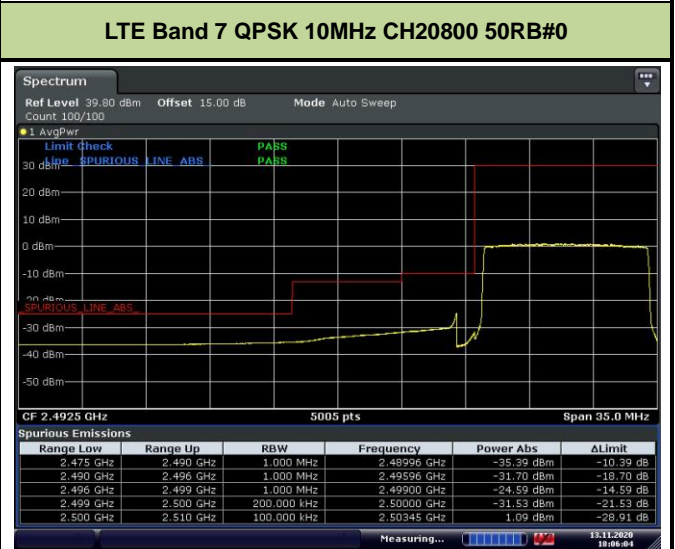
Date: 17 NOV 2020 11:43:14



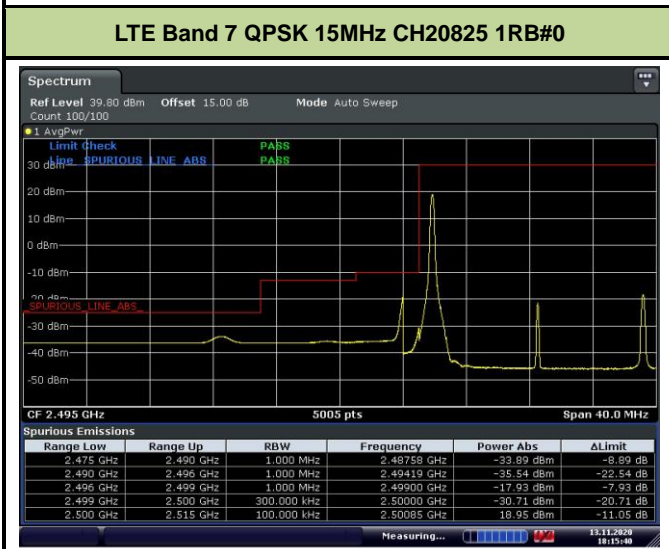
Date: 13 NOV 2020 17:32:50



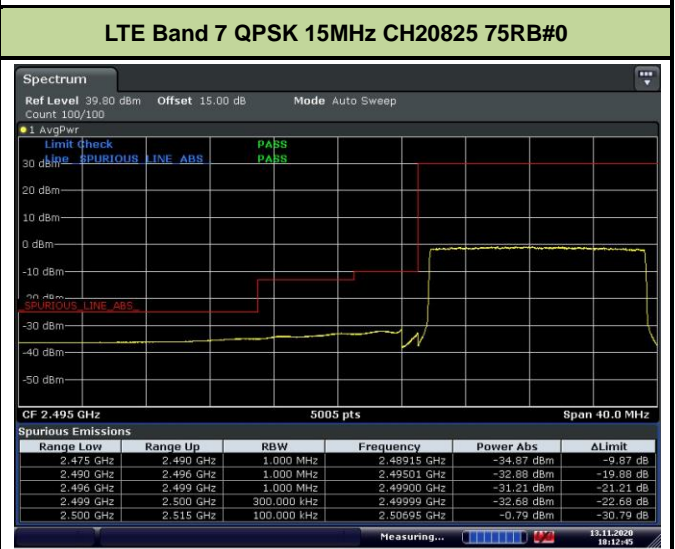
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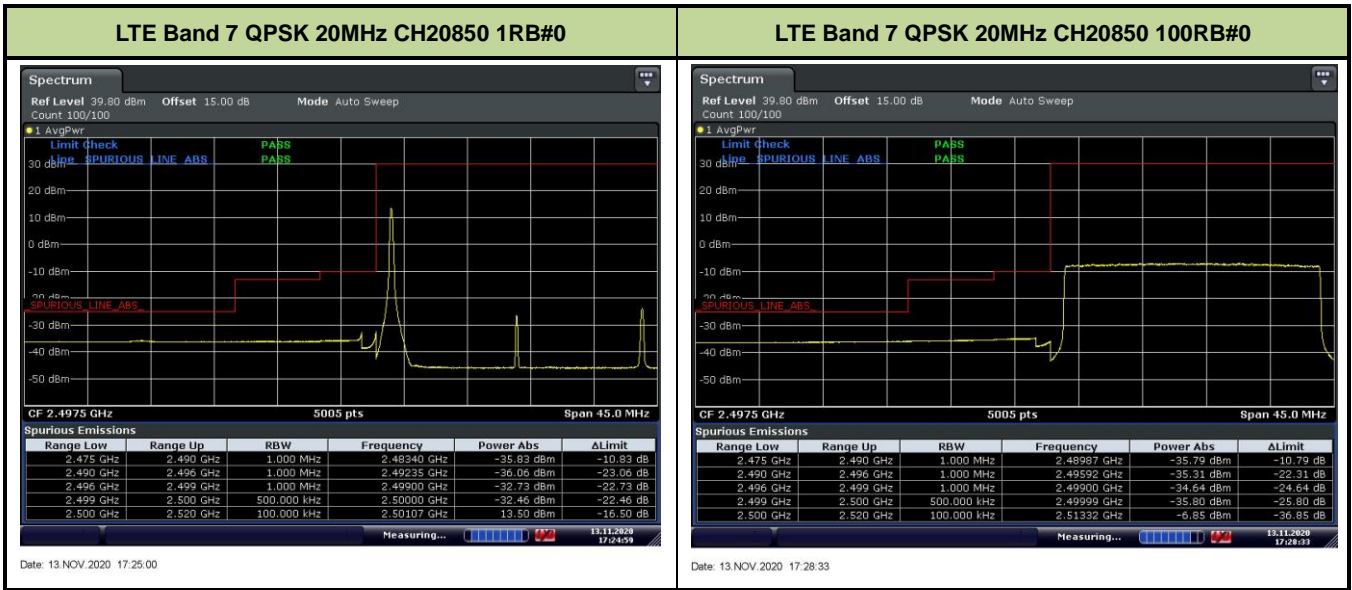
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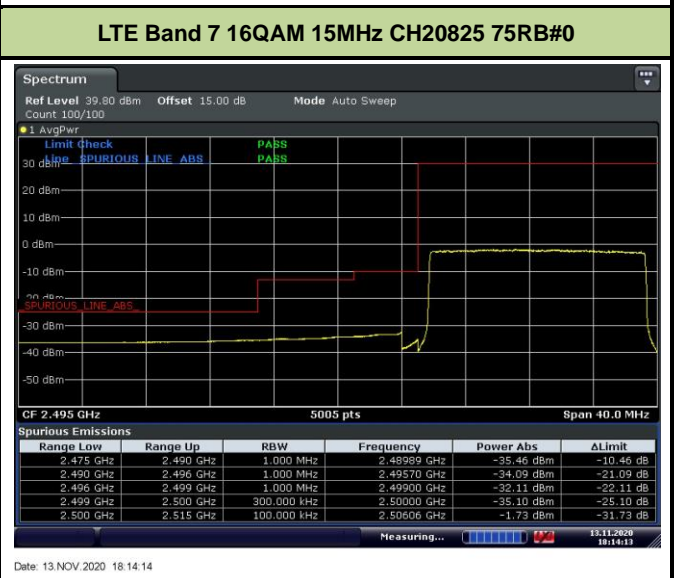
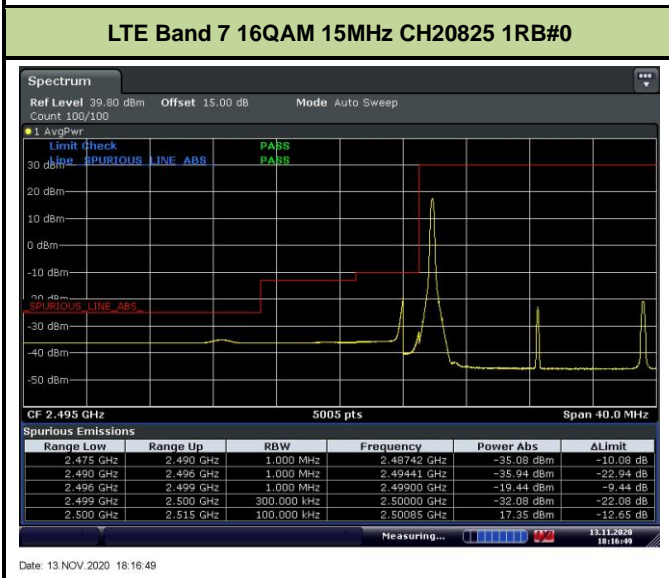
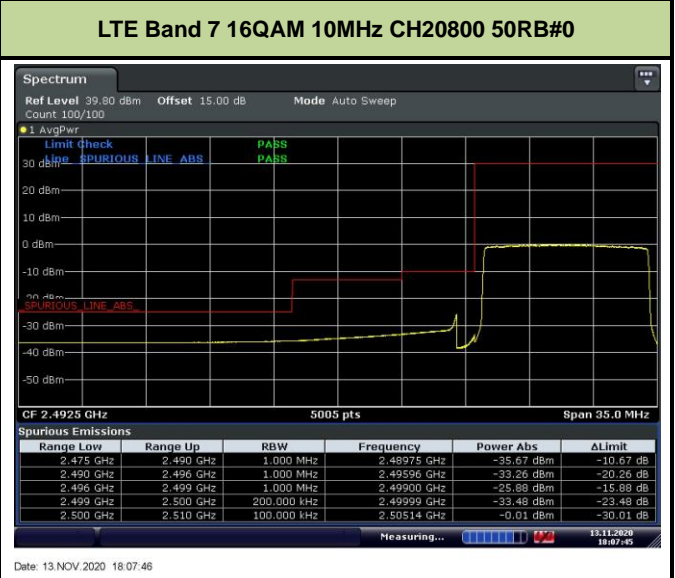
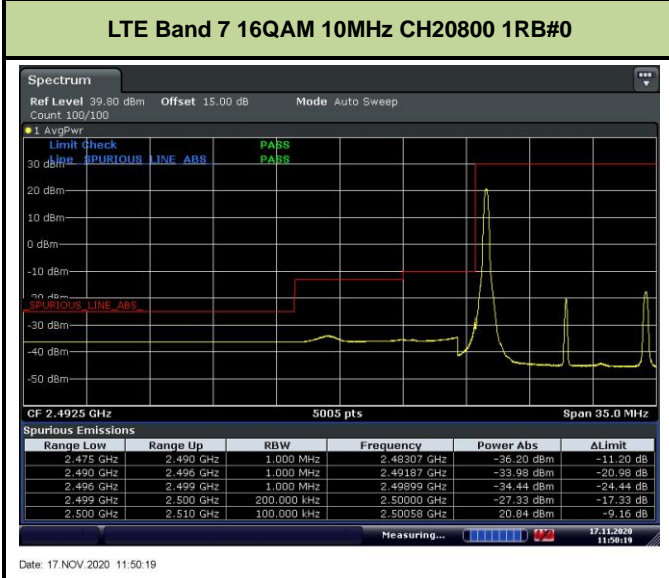
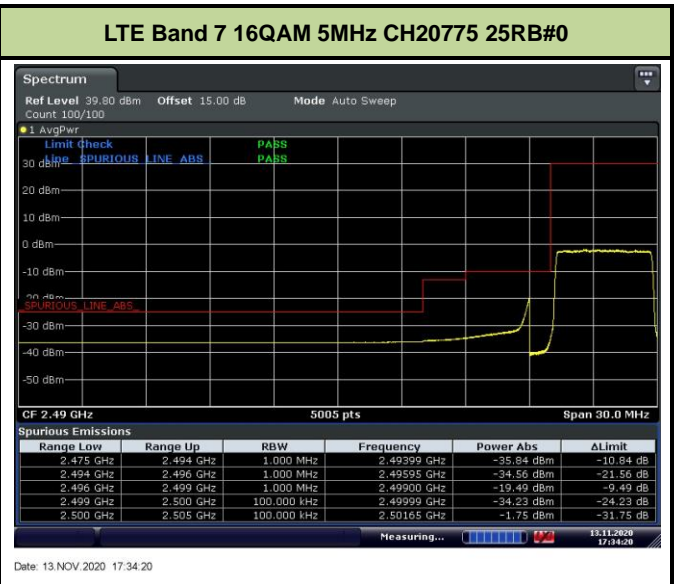
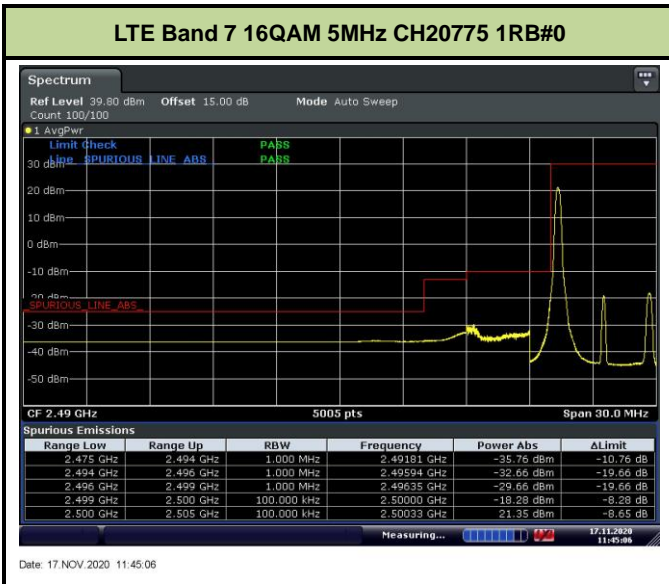


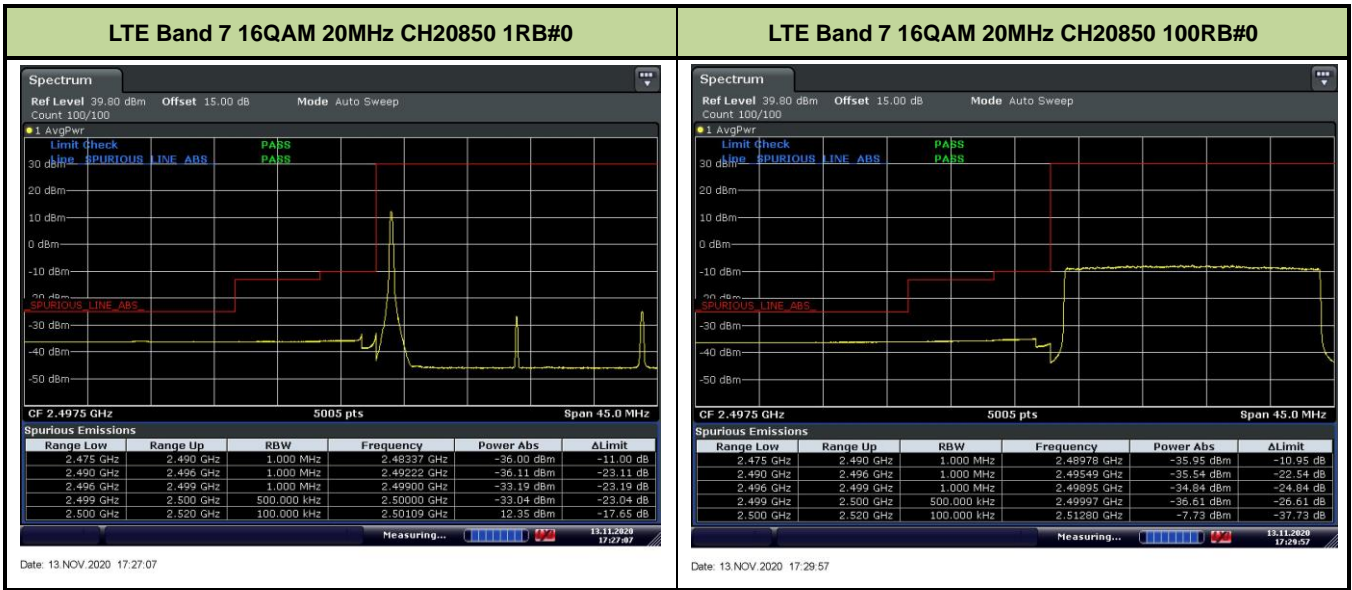
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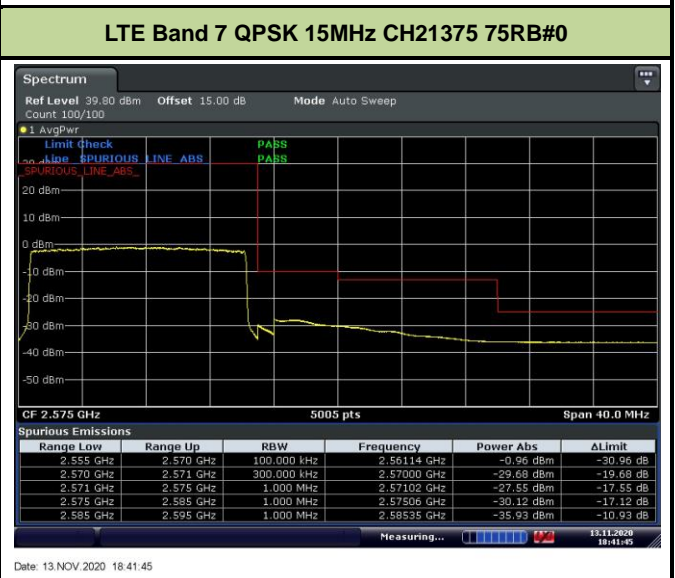
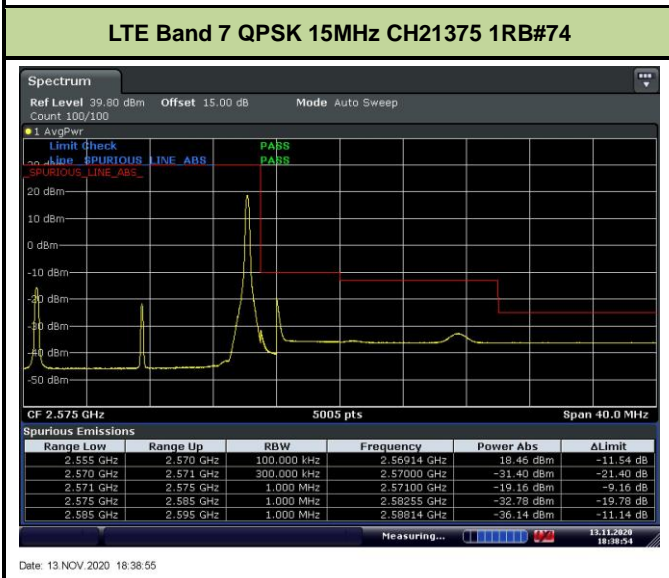
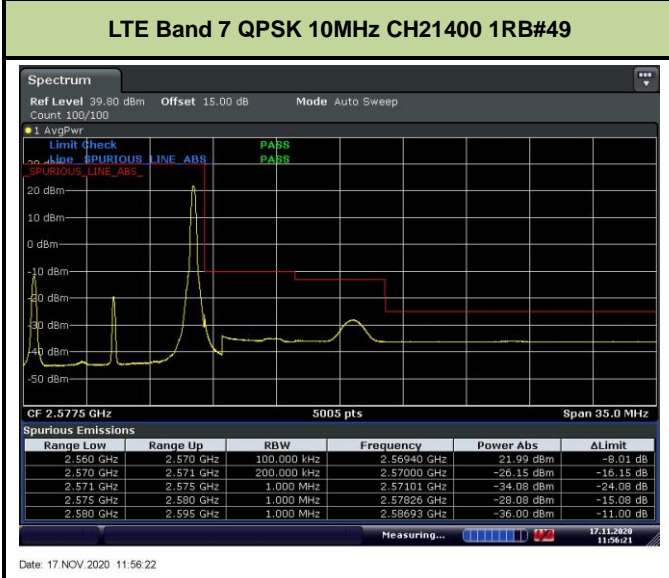
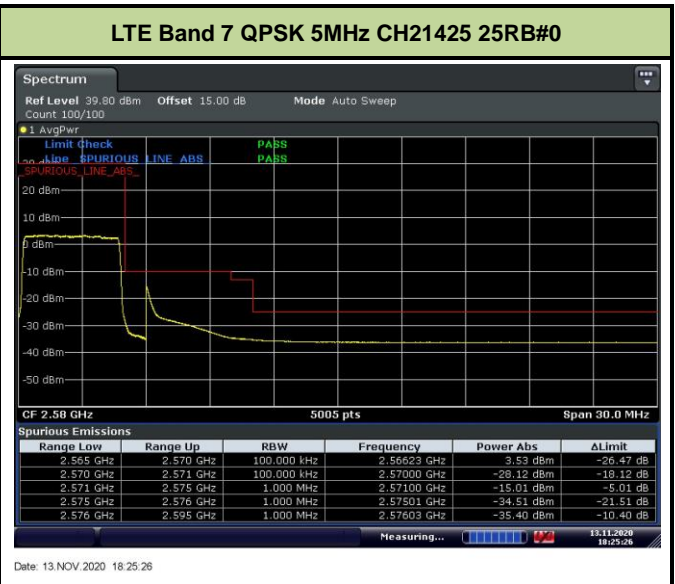
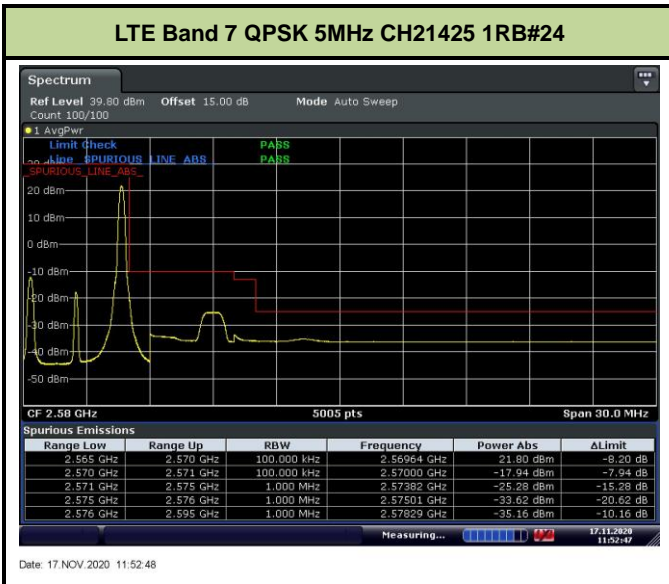


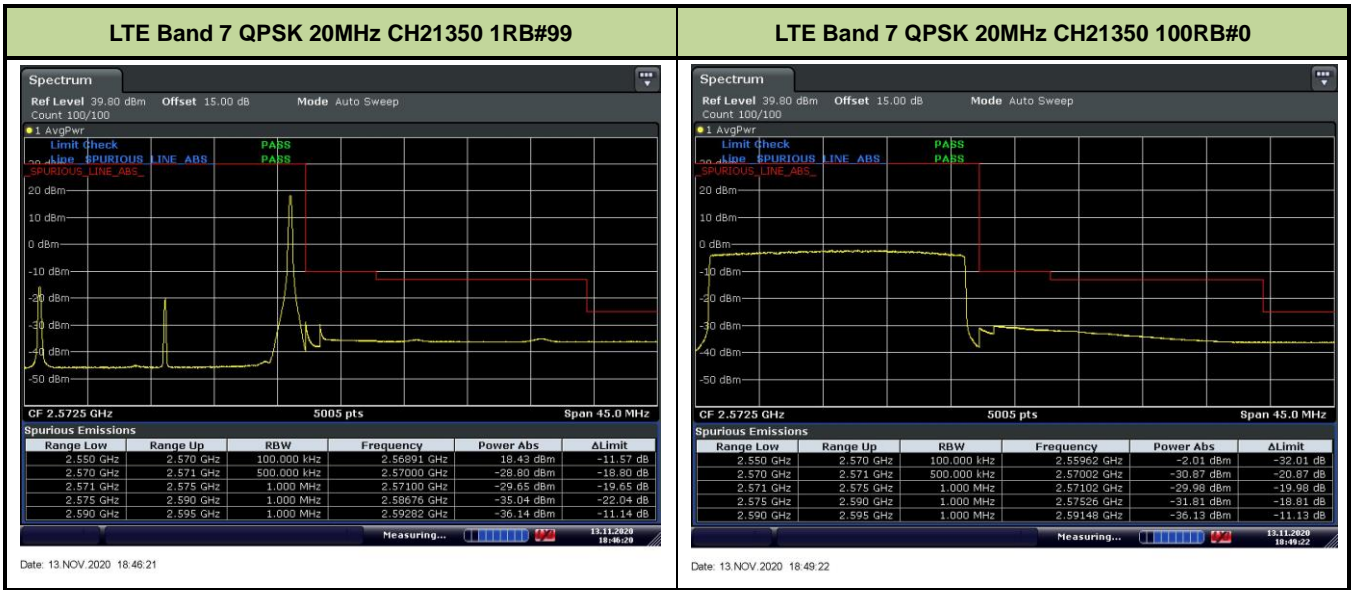
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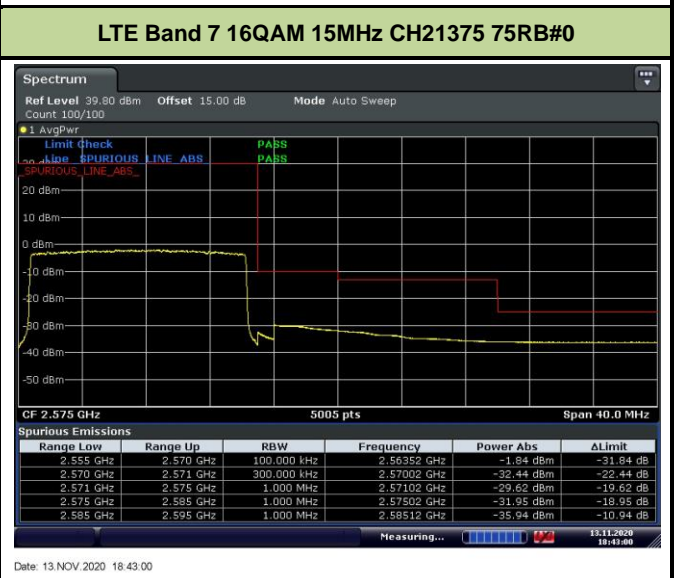
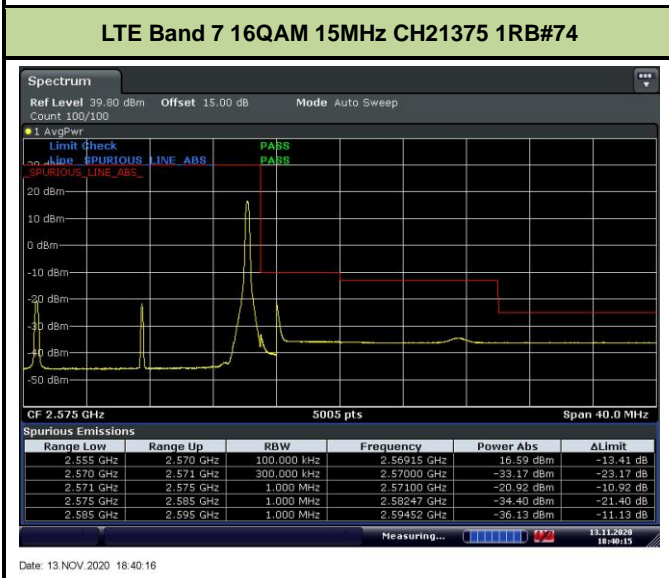
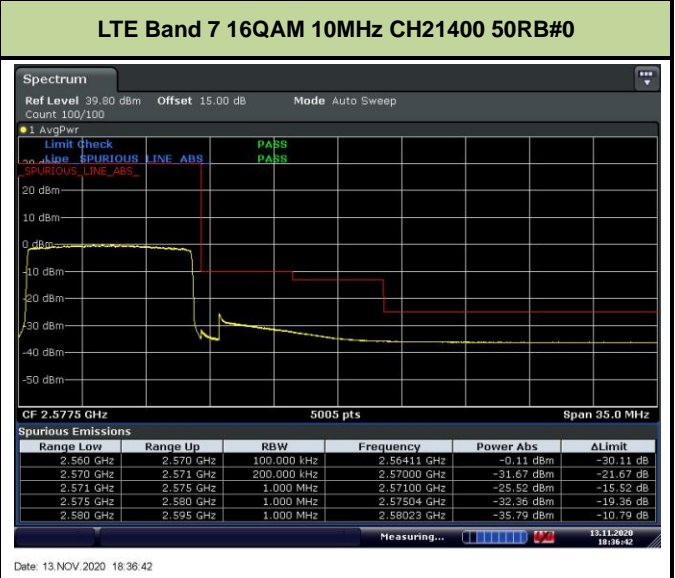
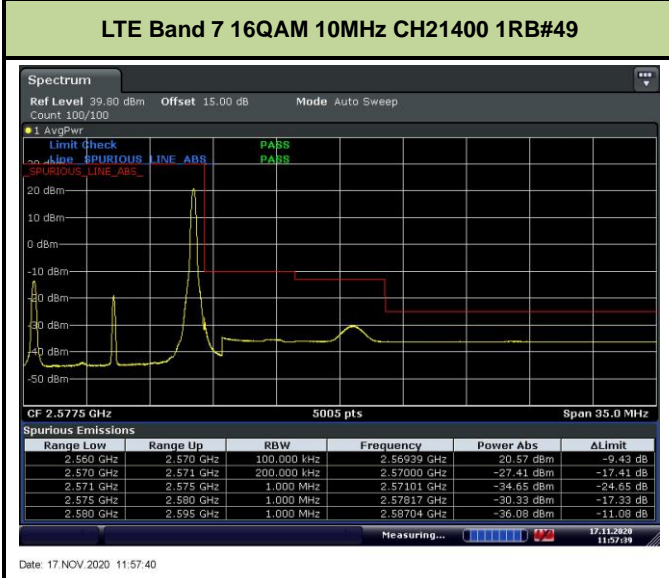
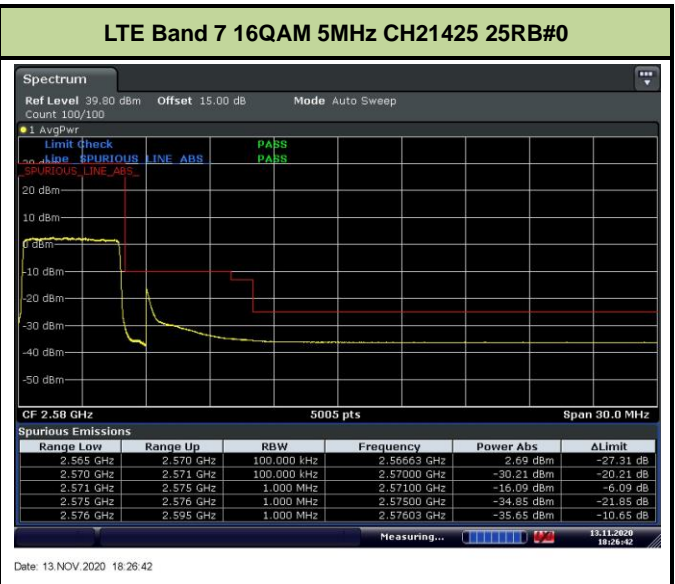
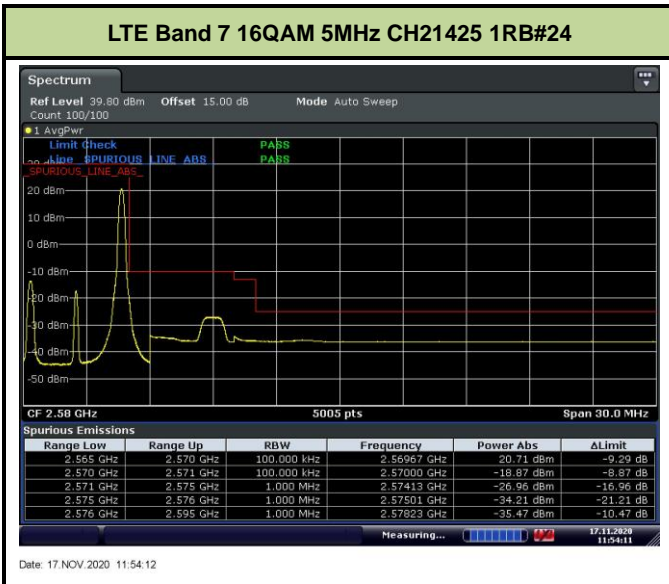


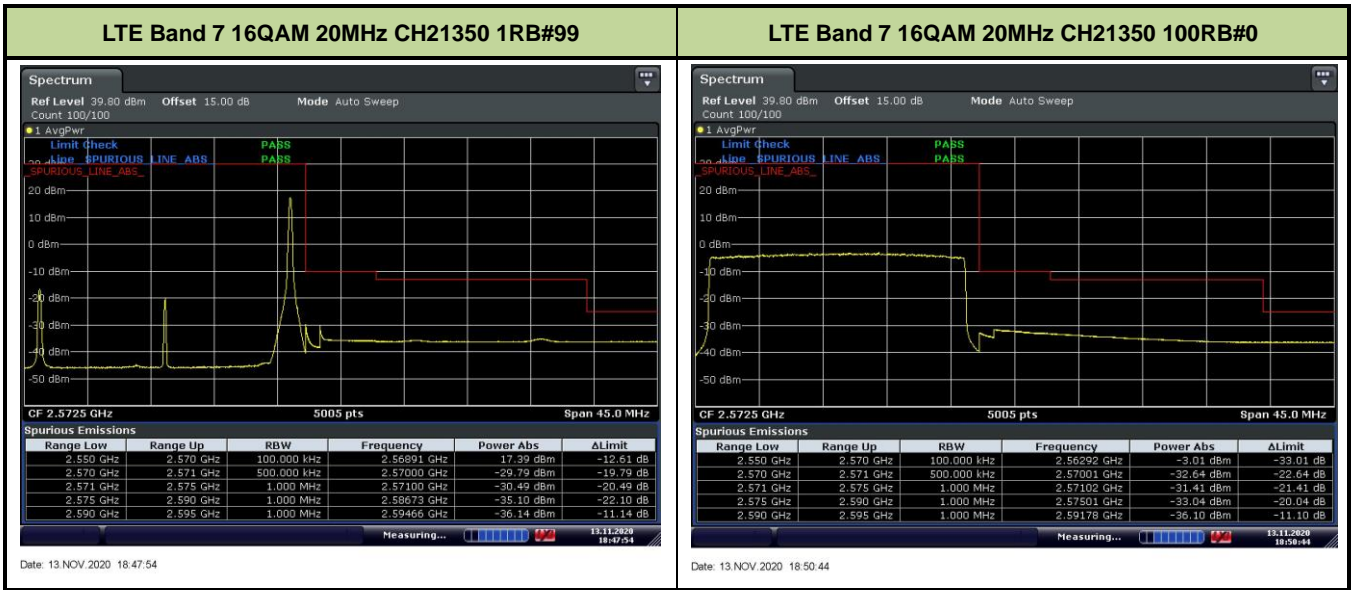












7.5. Power and Radiated Spurious Emissions

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

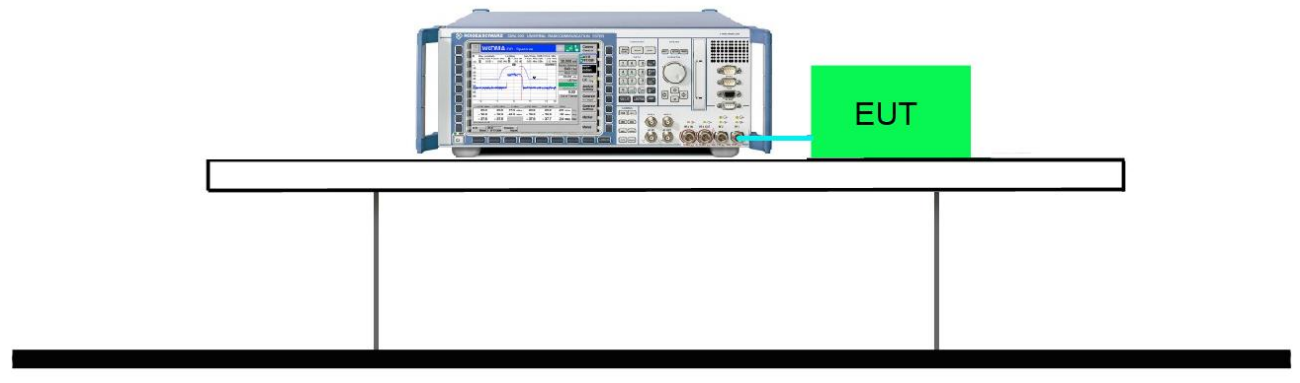
1. The EUT shall be placed at the specified height on a support, and in the position closest to normal use as declared by provider.
2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter
3. The output of the test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

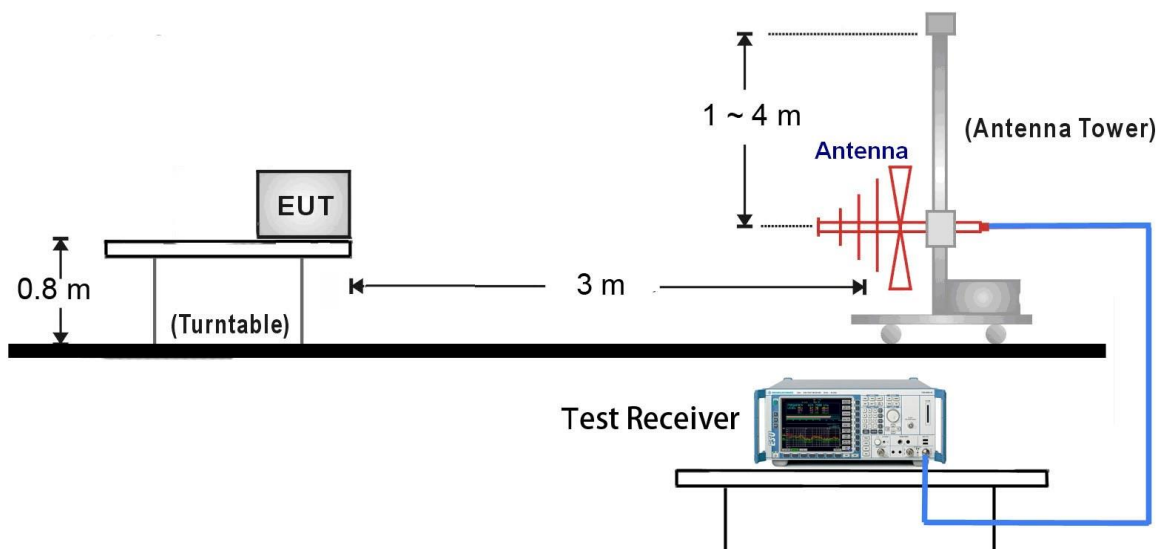
7.5.4 Test Setup

Conducted Power

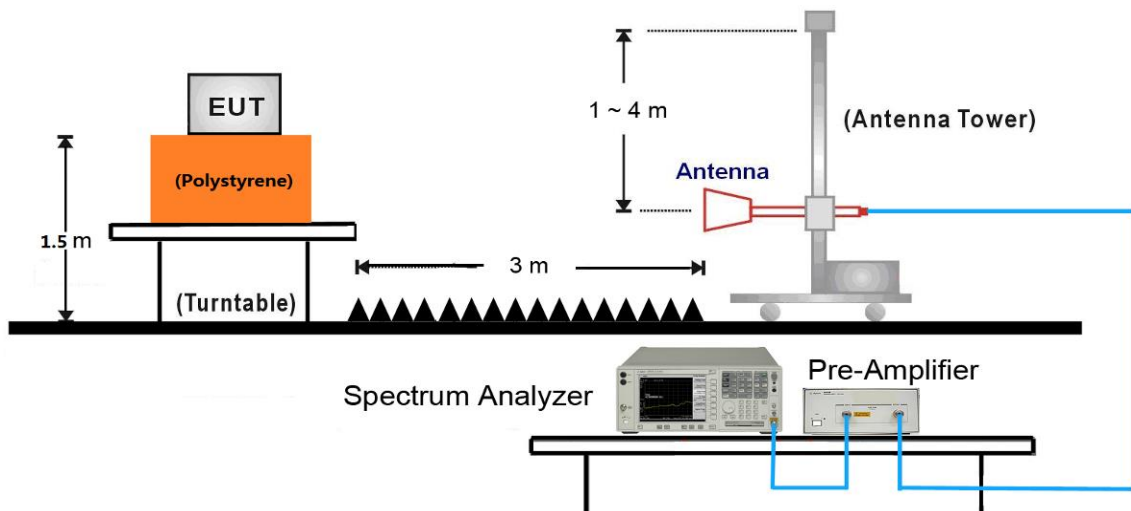


Radiated Power & Radiated Spurious Emissions

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			
		18607 (1850.7MHz)			18615 (1851.5MHz)			18625 (1852.5MHz)			18650 (1855MHz)			18675 (1857.5MHz)			18700 (1860MHz)					
Low	QPSK	1	#0	22.49	1	#0	22.44	1	#0	22.02	1	#0	22.29	1	#0	22.29	1	#0	22.11	0		
		1	#2	22.45	1	#7	22.41	1	#12	21.98	1	#25	22.25	1	#36	22.28	1	#49	22.05	0		
		1	#5	22.41	1	#14	22.39	1	#24	21.66	1	#49	22.00	1	#74	22.15	1	#99	21.98	0		
		3	#0	22.40	8	#0	21.25	12	#0	21.03	25	#0	21.21	36	#0	21.25	50	#0	21.32	0-1		
		3	#2	21.95	8	#4	21.24	12	#6	21.19	25	#12	21.18	36	#18	21.32	50	#24	21.36	0-1		
		3	#3	21.60	8	#7	21.23	12	#13	21.17	25	#25	21.10	36	#37	21.36	50	#49	21.40	0-1		
		16QAM	6	#0	21.35	15	#0	21.22	25	#0	21.12	50	#0	21.27	75	#0	21.36	100	#0	21.35	0-1	
	1		#0	21.80	1	#0	21.00	1	#0	21.18	1	#0	21.01	1	#0	21.45	1	#0	21.69	0-1		
	1		#2	21.78	1	#7	20.98	1	#12	21.12	1	#25	20.95	1	#36	21.32	1	#49	21.65	0-1		
	1		#5	21.65	1	#14	20.85	1	#24	21.03	1	#49	20.87	1	#74	21.28	1	#99	21.36	0-1		
	3		#0	21.20	8	#0	20.40	12	#0	20.95	25	#0	20.20	36	#0	20.97	50	#0	20.98	0-2		
	3		#2	21.13	8	#4	20.11	12	#6	20.71	25	#12	20.12	36	#18	20.34	50	#24	20.61	0-2		
	QPSK	3	#3	21.01	8	#7	20.03	12	#13	20.63	25	#25	20.00	36	#37	20.10	50	#49	20.36	0-2		
6		#0	20.98	15	#0	19.98	25	#0	20.20	50	#0	19.88	75	#0	19.66	100	#0	20.15	0-2			
		18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			18900 (1880MHz)			MPR					
Mid		QPSK	1	#0	22.96	1	#0	23.09	1	#0	23.03	1	#0	23.10	1	#0	23.01	1	#0	22.67	0	
			1	#2	22.89	1	#7	23.02	1	#12	22.97	1	#25	23.05	1	#36	22.98	1	#49	22.61	0	
			1	#5	22.85	1	#14	22.90	1	#24	22.85	1	#49	23.01	1	#74	22.60	1	#99	22.20	0	
			3	#0	22.84	8	#0	21.84	12	#0	21.76	25	#0	22.09	36	#0	22.07	50	#0	22.06	0-1	
			3	#2	22.00	8	#4	21.83	12	#6	21.75	25	#12	22.02	36	#18	22.01	50	#24	21.86	0-1	
			3	#3	21.80	8	#7	21.82	12	#13	21.74	25	#25	22.00	36	#37	21.86	50	#49	21.81	0-1	
			16QAM	6	#0	21.79	15	#0	21.81	25	#0	21.72	50	#0	21.90	75	#0	21.79	100	#0	21.72	0-1
		1		#0	22.04	1	#0	21.94	1	#0	21.67	1	#0	22.23	1	#0	22.07	1	#0	22.09	0-1	
		1		#2	22.00	1	#7	21.83	1	#12	21.62	1	#25	22.12	1	#36	22.00	1	#49	22.01	0-1	
	1	#5		21.99	1	#14	21.60	1	#24	21.53	1	#49	22.02	1	#74	21.95	1	#99	21.89	0-1		
	3	#0		21.10	8	#0	21.13	12	#0	20.95	25	#0	21.64	36	#0	21.06	50	#0	21.10	0-2		
	3	#2		21.03	8	#4	20.98	12	#6	20.92	25	#12	21.35	36	#18	20.86	50	#24	20.95	0-2		
	16QAM	3	#3	21.01	8	#7	20.91	12	#13	20.86	25	#25	21.28	36	#37	20.80	50	#49	20.32	0-2		
6		#0	20.85	15	#0	20.83	25	#0	20.70	50	#0	21.01	75	#0	20.52	100	#0	20.10	0-2			

		19193 (1909.3MHz)		19185 (1908.5MHz)		19175 (1907.5MHz)		19150 (1905MHz)		19125 (1902.5MHz)		19100 (1900MHz)		MPR						
		1	#0	22.20	1	#0	22.59	1	#0	21.97	1	#0	22.79	1	#0	22.55	1	#0	22.69	0
High	QPSK	1	#2	22.15	1	#7	22.51	1	#12	21.85	1	#25	22.65	1	#36	22.41	1	#49	22.61	0
		1	#5	22.19	1	#14	22.32	1	#24	21.71	1	#49	22.17	1	#74	22.30	1	#99	22.17	0
		3	#0	22.20	8	#0	21.09	12	#0	21.14	25	#0	21.32	36	#0	21.26	50	#0	21.44	0-1
		3	#2	21.86	8	#4	21.30	12	#6	21.15	25	#12	21.28	36	#18	21.20	50	#24	21.42	0-1
		3	#3	21.47	8	#7	21.32	12	#13	21.11	25	#25	21.23	36	#37	21.17	50	#49	21.37	0-1
		6	#0	21.10	15	#0	21.33	25	#0	21.18	50	#0	21.20	75	#0	21.10	100	#0	21.34	0-1
		1	#0	21.04	1	#0	21.56	1	#0	21.31	1	#0	21.39	1	#0	22.62	1	#0	21.40	0-1
	16QAM	1	#2	21.02	1	#7	21.51	1	#12	21.15	1	#25	21.32	1	#36	22.54	1	#49	21.32	0-1
		1	#5	20.98	1	#14	21.16	1	#24	21.03	1	#49	21.12	1	#74	22.30	1	#99	21.15	0-1
		3	#0	20.20	8	#0	20.58	12	#0	20.86	25	#0	20.87	36	#0	21.66	50	#0	20.98	0-2
		3	#2	20.14	8	#4	20.32	12	#6	20.71	25	#12	20.64	36	#18	21.61	50	#24	20.91	0-2
		3	#3	20.00	8	#7	20.10	12	#13	20.32	25	#25	20.17	36	#37	21.30	50	#49	20.32	0-2
		6	#0	19.86	15	#0	19.97	25	#0	20.10	50	#0	20.00	75	#0	20.99	100	#0	20.10	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	23.49	1	#0	23.80	1	#0	23.45	1	#0	23.64	0
		1	#2	23.42	1	#7	23.71	1	#12	23.41	1	#25	23.51	0
		1	#5	23.41	1	#14	23.52	1	#24	23.20	1	#49	23.31	0
		3	#0	23.50	8	#0	22.48	12	#0	22.39	25	#0	22.54	0-1
		3	#2	22.48	8	#4	22.47	12	#6	22.51	25	#12	22.57	0-1
		3	#3	22.31	8	#7	22.46	12	#13	22.69	25	#25	22.55	0-1
	6	#0	22.51	15	#0	22.44	25	#0	22.47	50	#0	22.59	0-1	
	16QAM	1	#0	22.60	1	#0	22.31	1	#0	21.97	1	#0	22.71	0-1
		1	#2	22.53	1	#7	22.15	1	#12	21.95	1	#25	22.54	0-1
		1	#5	22.47	1	#14	22.10	1	#24	21.60	1	#49	22.31	0-1
		3	#0	22.30	8	#0	21.95	12	#0	21.10	25	#0	21.65	0-2
		3	#2	22.10	8	#4	21.40	12	#6	20.86	25	#12	21.34	0-2
		3	#3	21.95	8	#7	21.10	12	#13	20.81	25	#25	21.29	0-2
	6	#0	21.30	15	#0	20.98	25	#0	20.74	50	#0	21.20	0-2	
Mid	QPSK	CH20525 (836.5MHz)			CH20525 (836.5MHz)			CH 0525 (836.5MHz)			CH20525 (836.5MHz)			MPR
		1	#0	23.40	1	#0	23.54	1	#0	23.49	1	#0	23.64	0
		1	#2	23.32	1	#7	23.32	1	#12	23.41	1	#25	23.54	0
		1	#5	23.50	1	#14	23.17	1	#24	23.15	1	#49	23.47	0
		3	#0	23.49	8	#0	22.44	12	#0	22.49	25	#0	22.62	0-1
		3	#2	23.00	8	#4	22.41	12	#6	22.48	25	#12	22.50	0-1
		3	#3	22.94	8	#7	22.45	12	#13	22.48	25	#25	22.47	0-1
	6	#0	22.41	15	#0	22.42	25	#0	22.47	50	#0	22.44	0-1	
	16QAM	1	#0	22.65	1	#0	22.83	1	#0	22.12	1	#0	22.57	0-1
		1	#2	22.61	1	#7	22.71	1	#12	21.98	1	#25	22.42	0-1
		1	#5	22.54	1	#14	22.65	1	#24	21.95	1	#49	22.30	0-1
		3	#0	21.86	8	#0	22.00	12	#0	21.60	25	#0	21.85	0-2
		3	#2	21.74	8	#4	21.74	12	#6	21.15	25	#12	21.64	0-2
		3	#3	21.50	8	#7	21.53	12	#13	20.87	25	#25	21.53	0-2
6		#0	21.20	15	#0	21.50	25	#0	20.78	50	#0	21.02	0-2	

		CH20643 (848.3MHz)			CH20635 (847.5MHz)			CH20625 (846.5MHz)			CH20600 (844MHz)			MPR
High	QPSK	1	#0	23.17	1	#0	23.35	1	#0	23.08	1	#0	23.49	0
		1	#2	23.00	1	#7	23.10	1	#12	22.97	1	#25	23.41	0
		1	#5	23.32	1	#14	22.95	1	#24	22.95	1	#49	23.37	0
		3	#0	23.41	8	#0	22.38	12	#0	22.39	25	#0	22.37	0-1
		3	#2	22.80	8	#4	22.41	12	#6	22.40	25	#12	22.15	0-1
		3	#3	22.51	8	#7	22.37	12	#13	22.35	25	#25	22.27	0-1
		6	#0	22.43	15	#0	22.44	25	#0	22.52	50	#0	22.48	0-1
	16QAM	1	#0	22.42	1	#0	22.22	1	#0	22.45	1	#0	22.18	0-1
		1	#2	22.37	1	#7	22.15	1	#12	22.41	1	#25	22.02	0-1
		1	#5	22.35	1	#14	22.03	1	#24	22.12	1	#49	21.78	0-1
		3	#0	21.86	8	#0	21.62	12	#0	21.65	25	#0	21.32	0-2
		3	#2	21.71	8	#4	21.30	12	#6	21.60	25	#12	20.98	0-2
		3	#3	21.56	8	#7	21.11	12	#13	21.14	25	#25	20.75	0-2
		6	#0	21.32	15	#0	20.86	25	#0	20.90	50	#0	20.60	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	22.91	1	#0	23.17	1	#0	22.76	1	#0	22.74	0
		1	#12	22.87	1	#25	23.10	1	#36	22.71	1	#49	22.51	0
		1	#24	22.53	1	#49	22.85	1	#74	22.64	1	#99	22.30	0
		12	#0	21.94	25	#0	21.97	36	#0	21.82	50	#0	22.29	0-1
		12	#6	21.90	25	#12	21.91	36	#18	21.80	50	#24	21.84	0-1
		12	#13	21.92	25	#25	21.85	36	#37	21.76	50	#49	21.67	0-1
		25	#0	22.03	50	#0	21.81	75	#0	21.74	100	#0	21.64	0-1
	16QAM	1	#0	21.73	1	#0	21.91	1	#0	21.40	1	#0	21.84	0-1
		1	#12	21.70	1	#25	21.80	1	#36	21.32	1	#49	21.71	0-1
		1	#24	21.15	1	#49	21.71	1	#74	21.16	1	#99	21.65	0-1
		12	#0	20.85	25	#0	21.20	36	#0	20.78	50	#0	21.11	0-2
		12	#6	20.81	25	#12	21.02	36	#18	20.61	50	#24	20.96	0-2
		12	#13	20.65	25	#25	20.84	36	#37	20.30	50	#49	20.87	0-2
		25	#0	20.40	50	#0	20.71	75	#0	20.11	100	#0	20.78	0-2
Mid	QPSK	CH21100 (2535MHz)			CH21100 (2535MHz)			CH21100 (2535MHz)			CH21100 (2535MHz)			MPR
		1	#0	22.42	1	#0	22.59	1	#0	22.85	1	#0	22.21	0
		1	#12	22.37	1	#25	22.32	1	#36	22.74	1	#49	22.15	0
		1	#24	22.16	1	#49	22.27	1	#74	22.60	1	#99	22.10	0
		12	#0	21.87	25	#0	21.98	36	#0	21.52	50	#0	21.60	0-1
		12	#6	21.88	25	#12	21.95	36	#18	21.50	50	#24	21.54	0-1
		12	#13	21.90	25	#25	21.90	36	#37	21.47	50	#49	21.53	0-1
	25	#0	21.91	50	#0	21.98	75	#0	21.44	100	#0	21.50	0-1	
	16QAM	1	#0	21.75	1	#0	21.66	1	#0	21.59	1	#0	21.77	0-1
		1	#12	21.65	1	#25	21.65	1	#36	21.52	1	#49	21.71	0-1
		1	#24	21.55	1	#49	21.57	1	#74	21.41	1	#99	21.65	0-1
		12	#0	21.10	25	#0	20.67	36	#0	20.88	50	#0	20.67	0-2
		12	#6	20.98	25	#12	20.61	36	#18	20.81	50	#24	20.61	0-2
		12	#13	20.91	25	#25	20.50	36	#37	20.73	50	#49	20.32	0-2
25		#0	20.32	50	#0	20.47	75	#0	20.62	100	#0	20.15	0-2	

		CH21425 (2567.5MHz)			CH21400 (2565MHz)			CH21375 (2562.5MHz)			CH21350 (2560MHz)			MPR
High	QPSK	1	#0	22.96	1	#0	22.42	1	#0	22.36	1	#0	22.44	0
		1	#12	22.47	1	#25	22.31	1	#36	22.31	1	#49	22.22	0
		1	#24	22.31	1	#49	22.11	1	#74	22.12	1	#99	22.12	0
		12	#0	21.98	25	#0	21.81	36	#0	21.37	50	#0	21.34	0-1
		12	#6	21.95	25	#12	21.80	36	#18	21.32	50	#24	21.35	0-1
		12	#13	21.96	25	#25	21.79	36	#37	21.30	50	#49	21.37	0-1
		25	#0	21.94	50	#0	21.76	75	#0	21.29	100	#0	21.39	0-1
	16QAM	1	#0	21.72	1	#0	21.67	1	#0	22.24	1	#0	21.60	0-1
		1	#12	21.65	1	#25	21.65	1	#36	22.17	1	#49	21.52	0-1
		1	#24	21.52	1	#49	21.43	1	#74	22.10	1	#99	21.00	0-1
		12	#0	20.70	25	#0	20.98	36	#0	21.09	50	#0	20.85	0-2
		12	#6	20.65	25	#12	20.91	36	#18	20.91	50	#24	20.47	0-2
		12	#13	20.54	25	#25	20.36	36	#37	20.83	50	#49	20.42	0-2
		25	#0	20.10	50	#0	20.11	75	#0	20.47	100	#0	20.30	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	17.95	1.07	4.61	21.50	33	-11.50
1850.7	V	14.98	1.07	4.61	18.53	33	-14.47
QPSK, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	18.06	1.07	4.59	21.58	33	-11.42
1851.5	V	14.81	1.07	4.59	18.33	33	-14.67
QPSK, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	17.57	1.07	4.56	21.06	33	-11.94
1852.5	V	14.79	1.07	4.56	18.28	33	-14.72
QPSK, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	17.77	1.07	4.56	21.26	33	-11.74
1855	V	14.38	1.07	4.56	17.87	33	-15.13
QPSK, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	17.62	1.07	4.56	21.11	33	-11.89
1857.5	V	14.89	1.07	4.56	18.38	33	-14.62
QPSK, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	15.68	1.07	4.56	19.17	33	-13.83
1860	V	12.72	1.07	4.56	16.21	33	-16.79

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	17.84	1.07	4.61	21.39	33	-11.61
1850.7	V	14.86	1.07	4.61	18.41	33	-14.59
16QAM, CH18615 / 1851.5MHz, Bandwidth 3MHz							
1851.5	H	17.81	1.07	4.59	21.33	33	-11.67
1851.5	V	14.72	1.07	4.59	18.24	33	-14.76
16QAM, CH18625 / 1852.5MHz, Bandwidth 5MHz							
1852.5	H	17.43	1.07	4.56	20.92	33	-12.08
1852.5	V	14.54	1.07	4.56	18.03	33	-14.97
16QAM, CH18650 / 1855MHz, Bandwidth 10MHz							
1855	H	17.63	1.07	4.56	21.12	33	-11.88
1855	V	14.13	1.07	4.56	17.62	33	-15.38
16QAM, CH18675 / 1857.5MHz, Bandwidth 15MHz							
1857.5	H	17.53	1.07	4.56	21.02	33	-11.98
1857.5	V	14.69	1.07	4.56	18.18	33	-14.82
16QAM, CH18700 / 1860MHz, Bandwidth 20MHz							
1860	H	15.52	1.07	4.56	19.01	33	-13.99
1860	V	12.56	1.07	4.56	16.05	33	-16.95

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	17.95	1.07	4.61	21.50	33	-11.50
1880	V	15.72	1.07	4.61	19.27	33	-13.73
QPSK, CH18900 / 1880MHz, Bandwidth 3MHz							
1880	H	18.13	1.07	4.59	21.65	33	-11.35
1880	V	16.01	1.07	4.59	19.53	33	-13.47
QPSK, CH18900 / 1880MHz, Bandwidth 5MHz							
1880	H	18.22	1.07	4.56	21.71	33	-11.29
1880	V	15.69	1.07	4.56	19.18	33	-13.82
QPSK, CH18900 / 1880MHz, Bandwidth 10MHz							
1880	H	17.99	1.07	4.56	21.48	33	-11.52
1880	V	15.96	1.07	4.56	19.45	33	-13.55
QPSK, CH18900 / 1880MHz, Bandwidth 15MHz							
1880	H	18.12	1.07	4.56	21.61	33	-11.39
1880	V	15.95	1.07	4.56	19.44	33	-13.56
QPSK, CH18900 / 1880MHz, Bandwidth 20MHz							
1880	H	16.59	1.07	4.56	20.08	33	-12.92
1880	V	13.65	1.07	4.56	17.14	33	-15.86

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)							
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	17.78	1.07	4.61	21.33	33	-11.67
1880	V	15.47	1.07	4.61	19.02	33	-13.98
16QAM, CH18900 / 1880MHz, Bandwidth 3MHz							
1880	H	17.92	1.07	4.59	21.44	33	-11.56
1880	V	15.83	1.07	4.59	19.35	33	-13.65
16QAM, CH18900 / 1880MHz, Bandwidth 5MHz							
1880	H	18.11	1.07	4.56	21.60	33	-11.40
1880	V	15.53	1.07	4.56	19.02	33	-13.98
16QAM, CH18900 / 1880MHz, Bandwidth 10MHz							
1880	H	17.84	1.07	4.56	21.33	33	-11.67
1880	V	15.79	1.07	4.56	19.28	33	-13.72
16QAM, CH18900 / 1880MHz, Bandwidth 15MHz							
1880	H	18.00	1.07	4.56	21.49	33	-11.51
1880	V	15.79	1.07	4.56	19.28	33	-13.72
16QAM, CH18900 / 1880MHz, Bandwidth 20MHz							
1880	H	16.39	1.07	4.56	19.88	33	-13.12
1880	V	13.53	1.07	4.56	17.02	33	-15.98

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)							
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	15.71	1.07	4.61	19.26	33	-13.74
1909.3	V	15.49	1.07	4.61	19.04	33	-13.96
QPSK, CH19185 / 1908.5MHz, Bandwidth 3MHz							
1908.5	H	15.91	1.07	4.59	19.43	33	-13.57
1908.5	V	15.63	1.07	4.59	19.15	33	-13.85
QPSK, CH19175 / 1907.5MHz, Bandwidth 5MHz							
1907.5	H	15.84	1.07	4.56	19.33	33	-13.67
1907.5	V	15.12	1.07	4.56	18.61	33	-14.39
QPSK, CH19150 / 1905MHz, Bandwidth 10MHz							
1905	H	16.03	1.07	4.56	19.52	33	-13.48
1905	V	15.38	1.07	4.56	18.87	33	-14.13
QPSK, CH19125 / 1902.5MHz, Bandwidth 15MHz							
1902.5	H	16.30	1.07	4.56	19.79	33	-13.21
1902.5	V	14.51	1.07	4.56	18.00	33	-15.00
QPSK, CH19100 / 1900MHz, Bandwidth 20MHz							
1900	H	14.22	1.07	4.56	17.71	33	-15.29
1900	V	12.42	1.07	4.56	15.91	33	-17.09

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 (High Channel)							
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	15.57	1.07	4.61	19.12	33	-13.88
1909.3	V	15.37	1.07	4.61	18.92	33	-14.08
16QAM, CH19185 / 1908.5MHz, Bandwidth 3MHz							
1908.5	H	15.79	1.07	4.59	19.31	33	-13.69
1908.5	V	15.52	1.07	4.59	19.04	33	-13.96
16QAM, CH19175 / 1907.5MHz, Bandwidth 5MHz							
1907.5	H	15.69	1.07	4.56	19.18	33	-13.82
1907.5	V	15.03	1.07	4.56	18.52	33	-14.48
16QAM, CH19150 / 1905MHz, Bandwidth 10MHz							
1905	H	15.90	1.07	4.56	19.39	33	-13.61
1905	V	15.17	1.07	4.56	18.66	33	-14.34
16QAM, CH19125 / 1902.5MHz, Bandwidth 15MHz							
1902.5	H	16.14	1.07	4.56	19.63	33	-13.37
1902.5	V	14.38	1.07	4.56	17.87	33	-15.13
16QAM, CH19100 / 1900MHz, Bandwidth 20MHz							
1900	H	14.06	1.07	4.56	17.55	33	-15.45
1900	V	12.29	1.07	4.56	15.78	33	-17.22

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)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20407 / 824.7MHz, Bandwidth 1.4MHz							
824.7	H	1.97	0.88	7.53	8.62	38.5	-29.88
824.7	V	5.71	0.88	7.53	12.36	38.5	-26.14
QPSK, CH20415 / 825.5MHz, Bandwidth 3MHz							
825.5	H	1.31	0.88	7.53	7.96	38.5	-30.54
825.5	V	5.78	0.88	7.53	12.43	38.5	-26.07
QPSK, CH20425 / 826.5MHz, Bandwidth 5MHz							
826.5	H	1.70	0.88	7.53	8.35	38.5	-30.15
826.5	V	5.95	0.88	7.53	12.60	38.5	-25.90
QPSK, CH20450 / 829MHz, Bandwidth 10MHz							
829	H	1.76	0.88	7.53	8.41	38.5	-30.09
829	V	5.99	0.88	7.53	12.64	38.5	-25.86
16QAM, CH20407 / 824.7MHz, Bandwidth 1.4MHz							
824.7	H	1.90	0.88	7.53	8.55	38.5	-29.95
824.7	V	5.60	0.88	7.53	12.25	38.5	-26.25
16QAM, CH20415 / 825.5MHz, Bandwidth 3MHz							
825.5	H	1.23	0.88	7.53	7.88	38.5	-30.62
825.5	V	5.64	0.88	7.53	12.29	38.5	-26.21
16QAM, CH20425 / 826.5MHz, Bandwidth 5MHz							
826.5	H	1.56	0.88	7.53	8.21	38.5	-30.29
826.5	V	5.88	0.88	7.53	12.53	38.5	-25.97
16QAM, CH20450 / 829MHz, Bandwidth 10MHz							
829	H	1.63	0.88	7.53	8.28	38.5	-30.22
829	V	5.84	0.88	7.53	12.49	38.5	-26.01

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 (Mid Channel)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20525 / 836.5MHz, Bandwidth 1.4MHz							
836.5	H	3.95	0.88	7.53	10.60	38.5	-27.90
836.5	V	5.94	0.88	7.53	12.59	38.5	-25.91
QPSK, CH20525 / 836.5MHz, Bandwidth 3MHz							
836.5	H	4.64	0.88	7.53	11.29	38.5	-27.21
836.5	V	6.84	0.88	7.53	13.49	38.5	-25.01
QPSK, CH20525 / 836.5MHz, Bandwidth 5MHz							
836.5	H	3.87	0.88	7.53	10.52	38.5	-27.98
836.5	V	6.02	0.88	7.53	12.67	38.5	-25.83
QPSK, CH20525 / 836.5MHz, Bandwidth 10MHz							
836.5	H	3.86	0.88	7.53	10.51	38.5	-27.99
836.5	V	6.60	0.88	7.53	13.25	38.5	-25.25
16QAM, CH20525 / 836.5MHz, Bandwidth 1.4MHz							
836.5	H	3.79	0.88	7.53	10.44	38.5	-28.06
836.5	V	5.74	0.88	7.53	12.39	38.5	-26.11
16QAM, CH20525 / 836.5MHz, Bandwidth 3MHz							
836.5	H	4.38	0.88	7.53	11.03	38.5	-27.47
836.5	V	6.73	0.88	7.53	13.38	38.5	-25.12
16QAM, CH20525 / 836.5MHz, Bandwidth 5MHz							
836.5	H	3.76	0.88	7.53	10.41	38.5	-28.09
836.5	V	5.90	0.88	7.53	12.55	38.5	-25.95
16QAM, CH20525 / 836.5MHz, Bandwidth 10MHz							
836.5	H	3.74	0.88	7.53	10.39	38.5	-28.11
836.5	V	6.37	0.88	7.53	13.02	38.5	-25.48

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)							
Frequency (MHz)	Ant. Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Ant Gain (dBi)	ERP Measure (dBm)	Limit (dBm)	Margin (dB)
QPSK, CH20643 / 848.3MHz, Bandwidth 1.4MHz							
848.3	H	3.45	0.88	7.54	10.11	38.5	-28.39
848.3	V	6.99	0.88	7.54	13.65	38.5	-24.85
QPSK, CH20635 / 847.5MHz, Bandwidth 3MHz							
847.5	H	2.63	0.88	7.54	9.29	38.5	-29.21
847.5	V	6.43	0.88	7.54	13.09	38.5	-25.41
QPSK, CH20625 / 846.5MHz, Bandwidth 5MHz							
846.5	H	0.99	0.88	7.54	7.65	38.5	-30.85
846.5	V	6.59	0.88	7.54	13.25	38.5	-25.25
QPSK, CH20600 / 844MHz, Bandwidth 10MHz							
844	H	1.87	0.88	7.54	8.53	38.5	-29.97
844	V	5.48	0.88	7.54	12.14	38.5	-26.36
16QAM, CH20643 / 848.3MHz, Bandwidth 1.4MHz							
848.3	H	3.36	0.88	7.54	10.02	38.5	-28.48
848.3	V	6.87	0.88	7.54	13.53	38.5	-24.97
16QAM, CH20635 / 847.5MHz, Bandwidth 3MHz							
847.5	H	2.47	0.88	7.54	9.13	38.5	-29.37
847.5	V	6.31	0.88	7.54	12.97	38.5	-25.53
16QAM, CH20625 / 846.5MHz, Bandwidth 5MHz							
846.5	H	0.89	0.88	7.54	7.55	38.5	-30.95
846.5	V	6.45	0.88	7.54	13.11	38.5	-25.39
16QAM, CH20600 / 844MHz, Bandwidth 10MHz							
844	H	1.73	0.88	7.54	8.39	38.5	-30.11
844	V	5.37	0.88	7.54	12.03	38.5	-26.47

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 Band7 (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, CH20775 / 2502.5MHz, Bandwidth 5MHz							
2502.5	H	16.85	1.14	5.64	21.35	33	-11.65
2502.5	V	12.98	1.14	5.64	17.48	33	-15.52
QPSK, CH20800 / 2505MHz, Bandwidth 10MHz							
2505	H	15.45	1.14	5.64	19.95	33	-13.05
2505	V	12.89	1.14	5.64	17.39	33	-15.61
QPSK, CH20825 / 2507.5MHz, Bandwidth 15MHz							
2507.5	H	15.61	1.14	5.64	20.11	33	-12.89
2507.5	V	12.22	1.14	5.64	16.72	33	-16.28
QPSK, CH20850 / 2510MHz, Bandwidth 20MHz							
2510	H	13.10	1.14	5.64	17.60	33	-15.40
2510	V	10.13	1.14	5.64	14.63	33	-18.37
16QAM, CH20775 / 2502.5MHz, Bandwidth 5MHz							
2502.5	H	16.69	1.14	5.64	21.19	33	-11.81
2502.5	V	12.81	1.14	5.64	17.31	33	-15.69
16QAM, CH20800 / 2505MHz, Bandwidth 10MHz							
2505	H	15.28	1.14	5.64	19.78	33	-13.22
2505	V	12.79	1.14	5.64	17.29	33	-15.71
16QAM, CH20825 / 2507.5MHz, Bandwidth 15MHz							
2507.5	H	15.53	1.14	5.64	20.03	33	-12.97
2507.5	V	12.08	1.14	5.64	16.58	33	-16.42
16QAM, CH20850 / 2510MHz, Bandwidth 20MHz							
2510	H	12.98	1.14	5.64	17.48	33	-15.52
2510	V	9.99	1.14	5.64	14.49	33	-18.51

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.