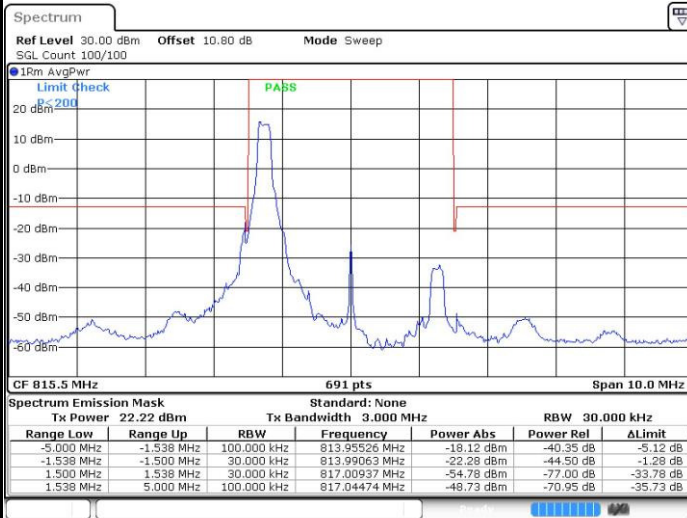




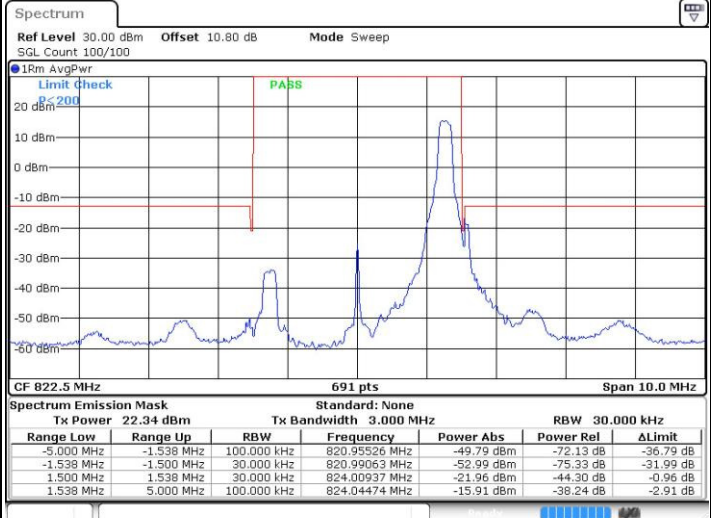
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



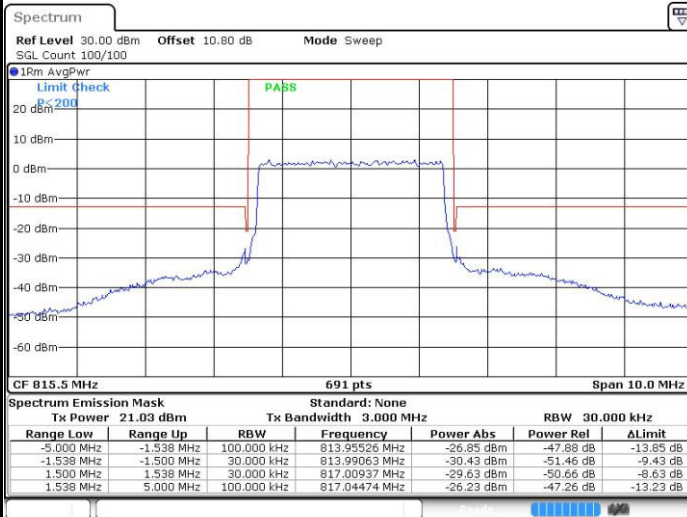
Date: 13.MAY.2017 14:04:40

Highest Band Edge / 1 RB



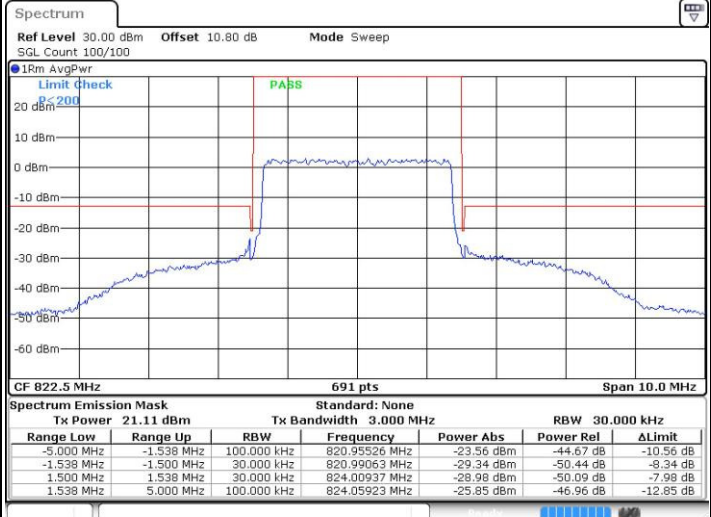
Date: 13.MAY.2017 14:09:18

Lowest Band Edge / Full RB



Date: 13.MAY.2017 14:06:59

Highest Band Edge / Full RB

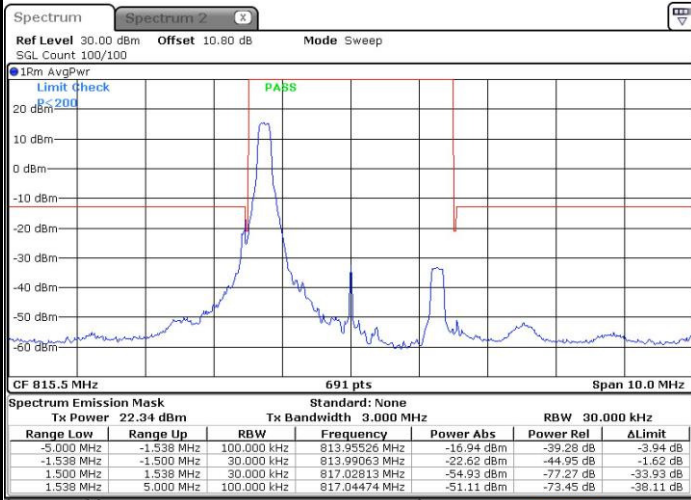


Date: 13.MAY.2017 14:11:38



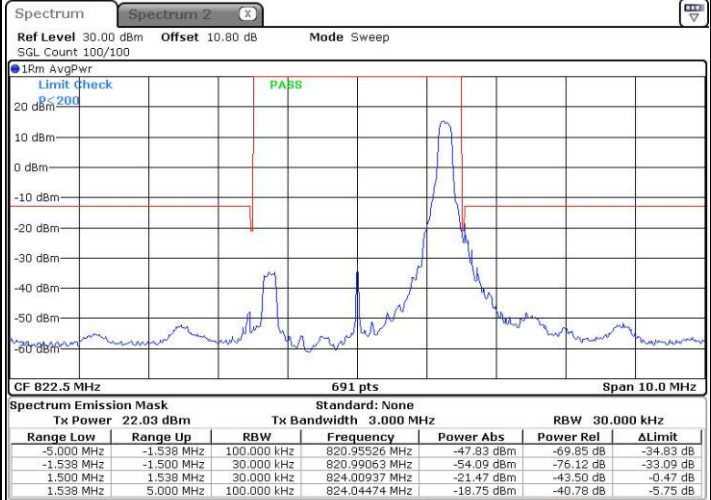
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



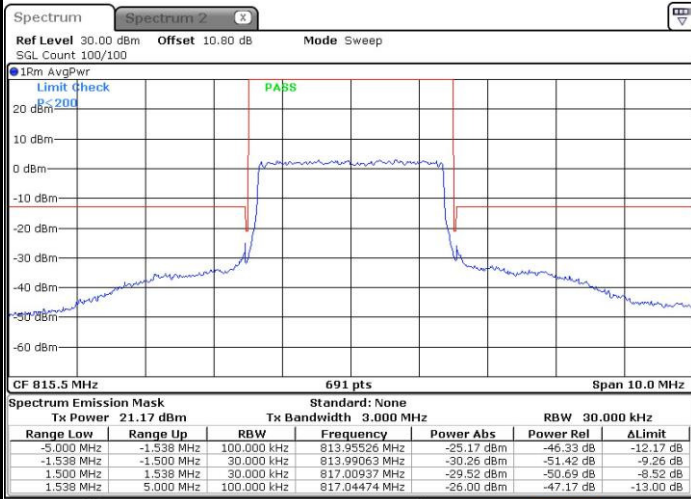
Date: 14.MAY.2017 10:15:19

Highest Band Edge / 1 RB



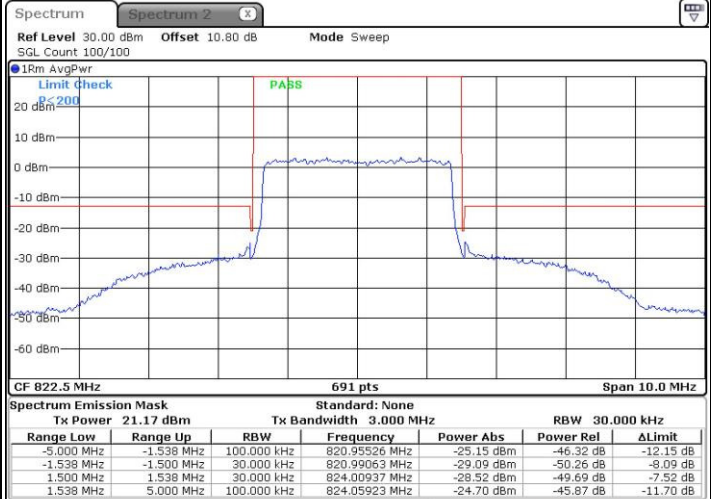
Date: 14.MAY.2017 10:17:39

Lowest Band Edge / Full RB



Date: 14.MAY.2017 10:16:29

Highest Band Edge / Full RB

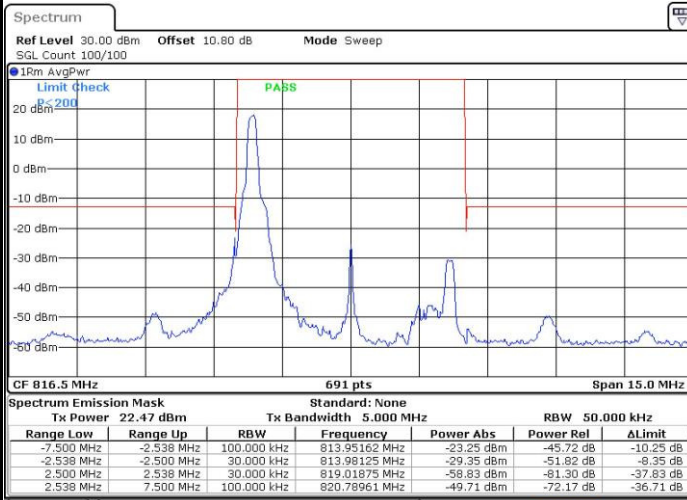


Date: 14.MAY.2017 10:18:48



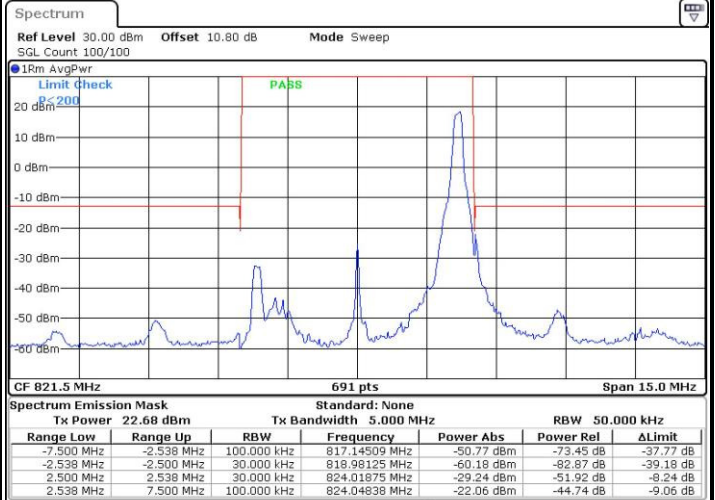
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



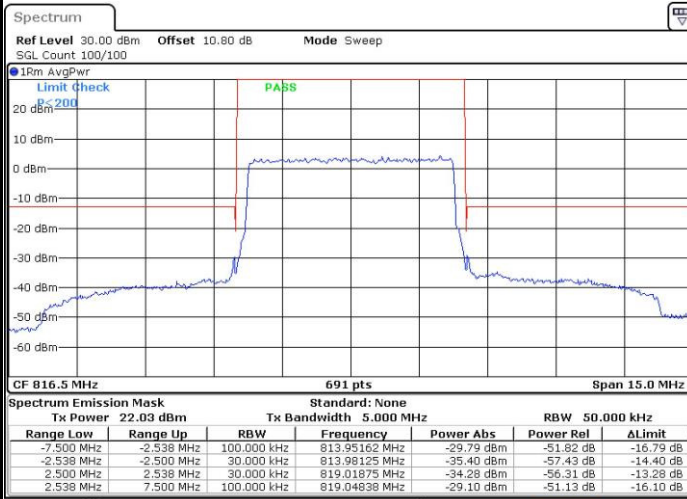
Date: 13.MAY.2017 14:12:47

Highest Band Edge / 1 RB



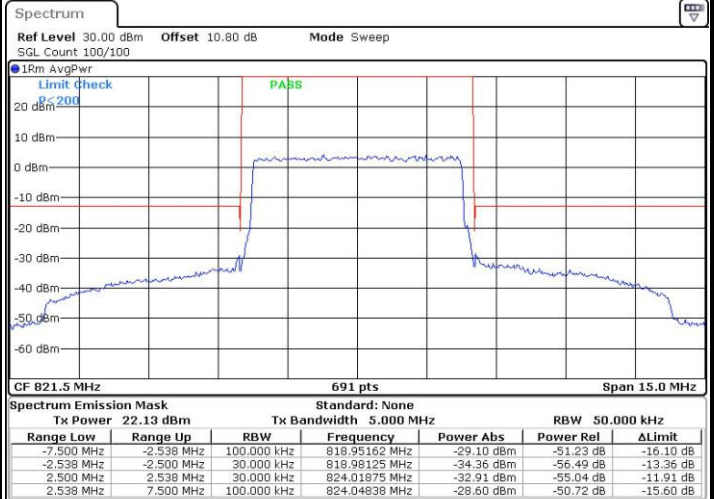
Date: 13.MAY.2017 14:17:25

Lowest Band Edge / Full RB



Date: 13.MAY.2017 14:15:06

Highest Band Edge / Full RB

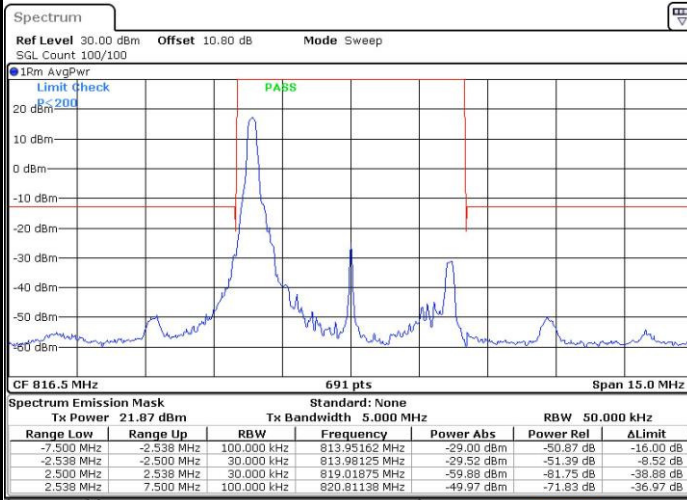


Date: 13.MAY.2017 14:19:44



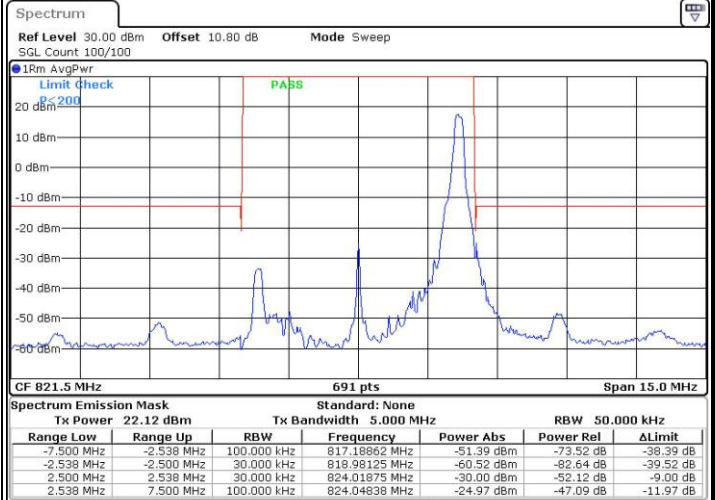
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



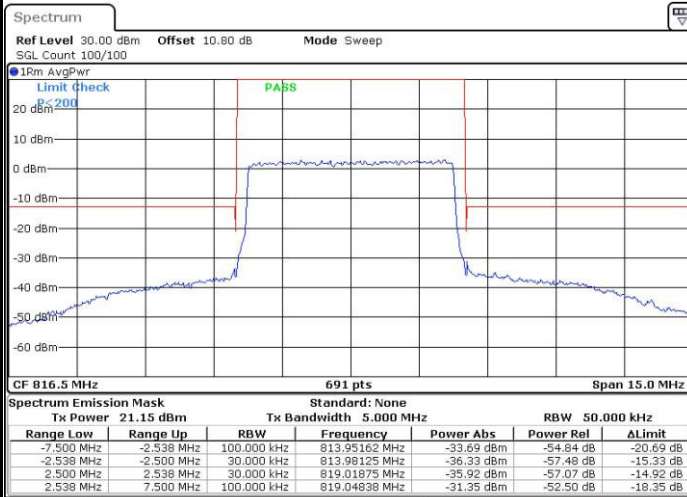
Date: 13.MAY.2017 14:13:57

Highest Band Edge / 1 RB



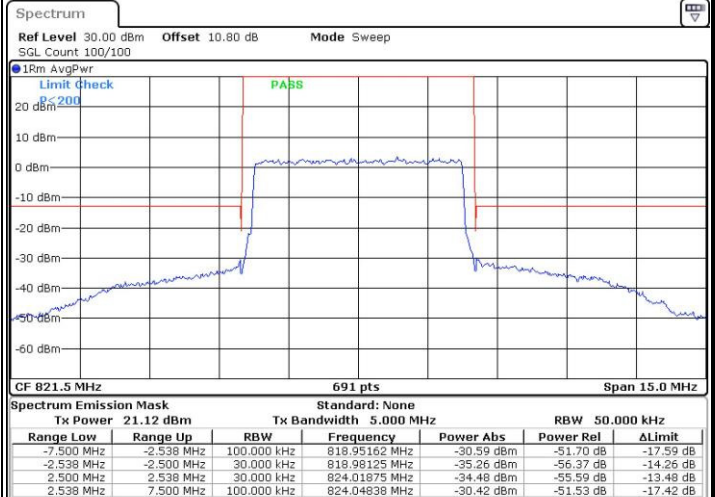
Date: 13.MAY.2017 14:18:35

Lowest Band Edge / Full RB



Date: 13.MAY.2017 14:16:16

Highest Band Edge / Full RB

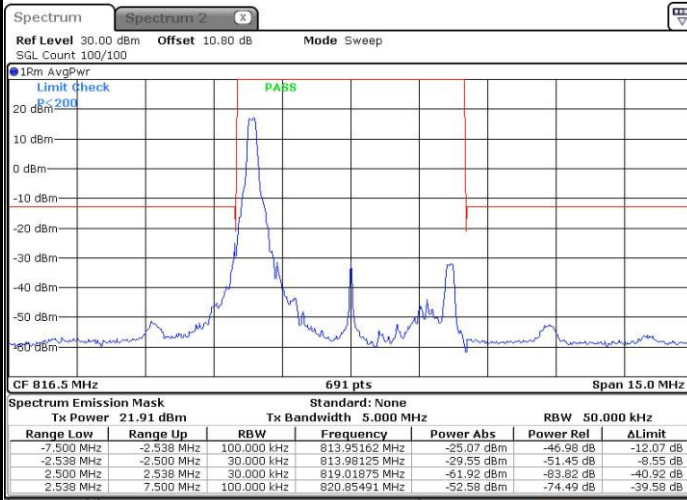


Date: 13.MAY.2017 14:20:54



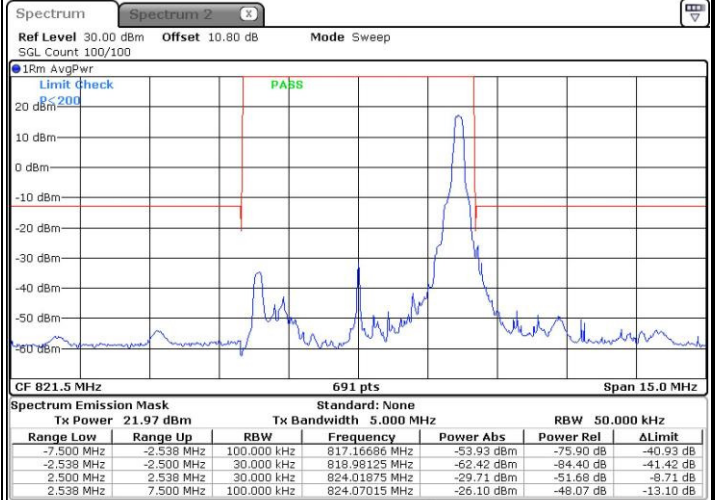
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



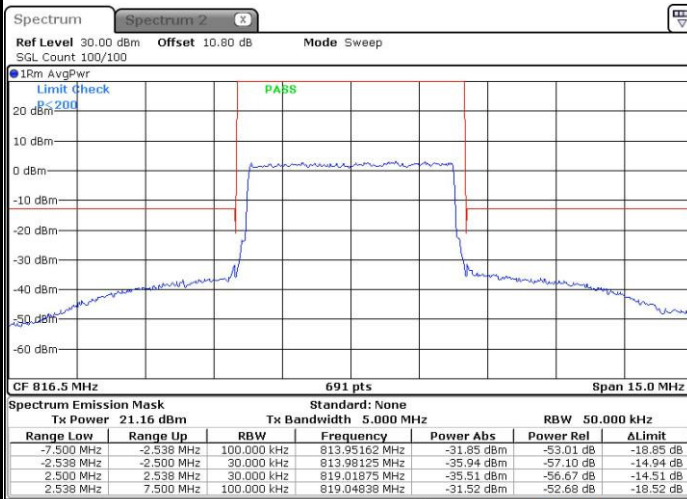
Date: 14.MAY.2017 10:19:58

Highest Band Edge / 1 RB



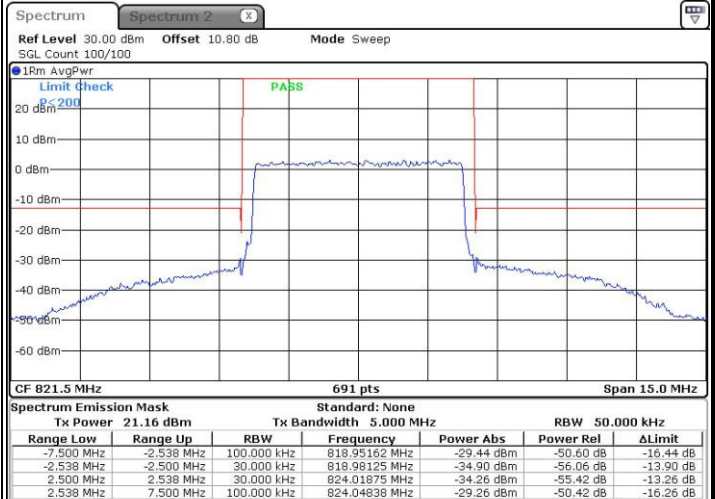
Date: 14.MAY.2017 10:22:17

Lowest Band Edge / Full RB



Date: 14.MAY.2017 10:21:07

Highest Band Edge / Full RB

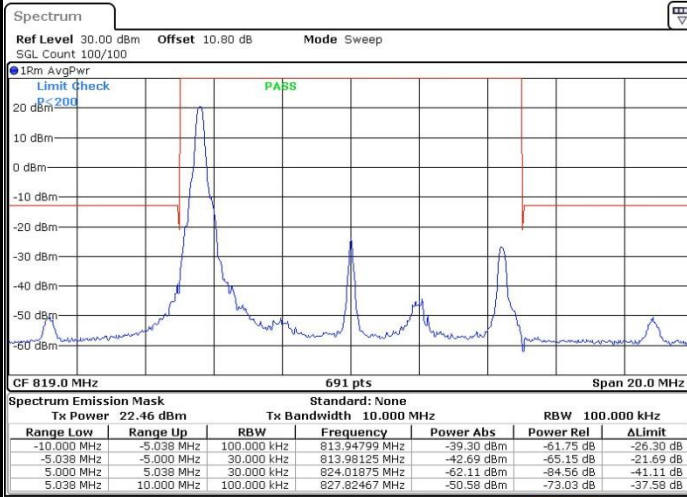


Date: 14.MAY.2017 10:23:26



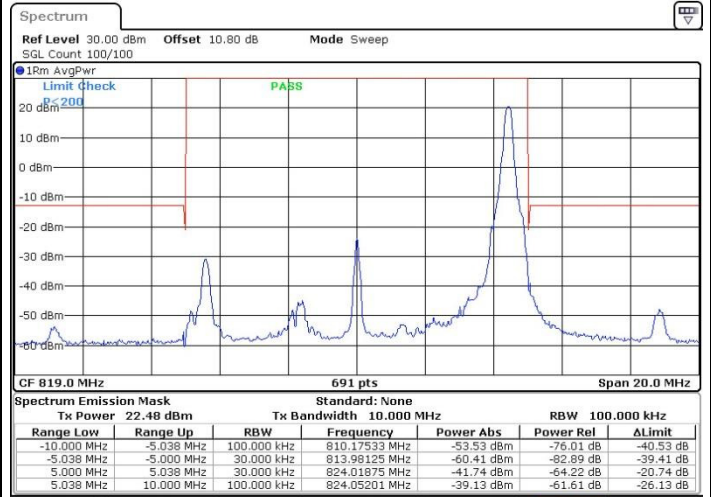
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



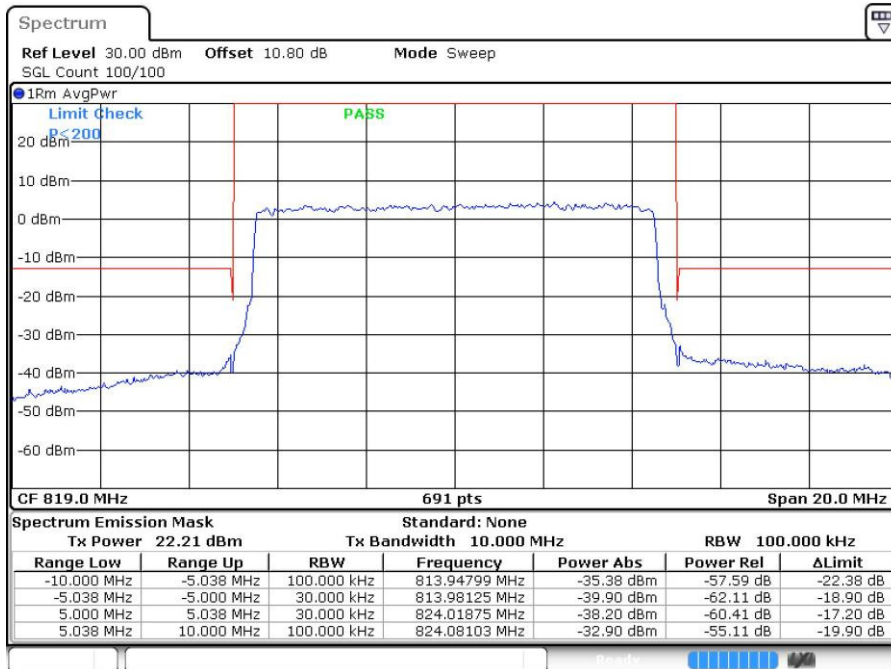
Date: 13.MAY.2017 14:22:03

Highest Band Edge / 1 RB



Date: 13.MAY.2017 14:24:22

Band Edge / Full RB

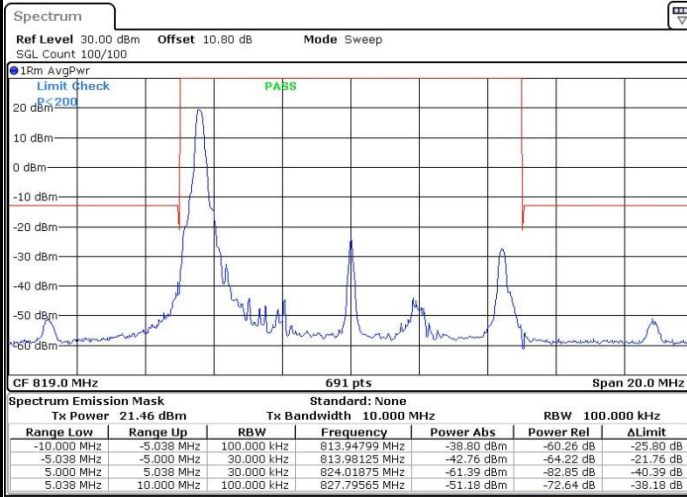


Date: 13.MAY.2017 14:26:41



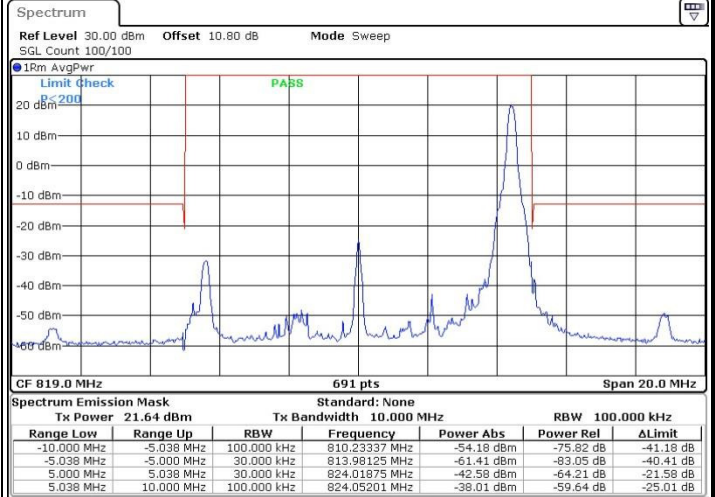
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



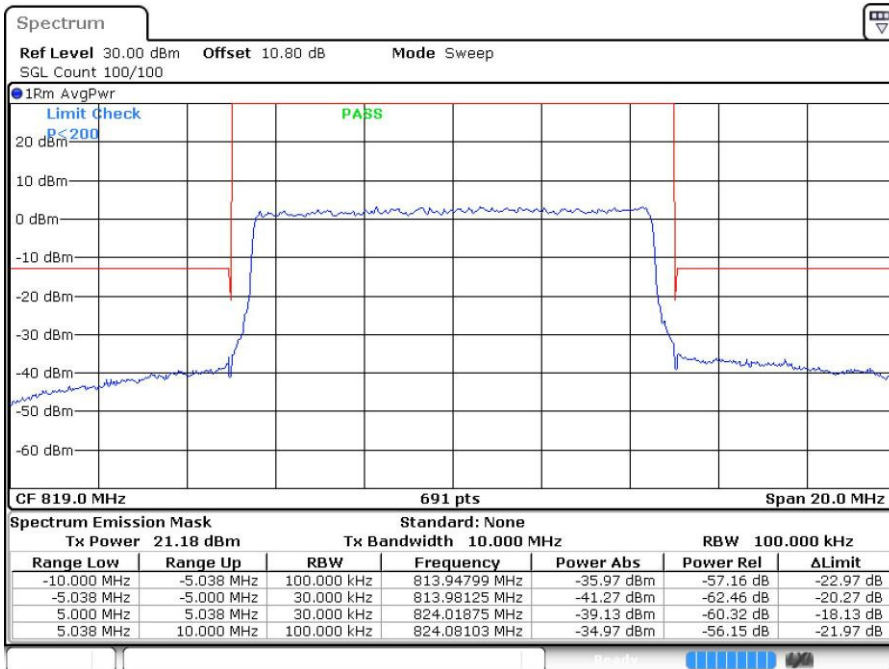
Date: 13.MAY.2017 14:23:13

Highest Band Edge / 1 RB



Date: 13.MAY.2017 14:25:31

Band Edge / Full RB

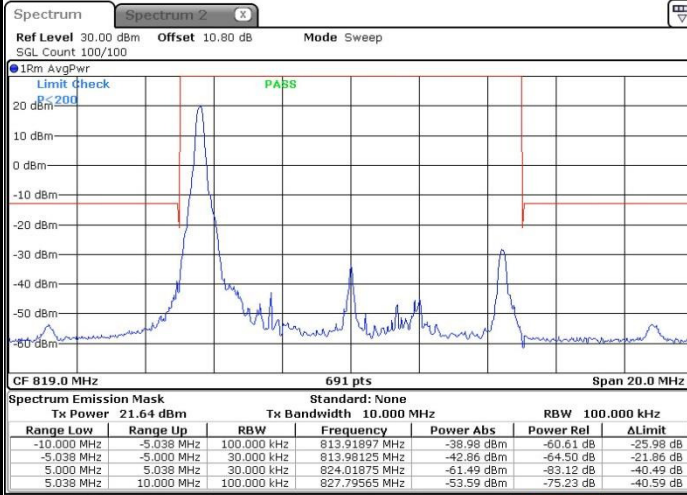


Date: 13.MAY.2017 14:27:50



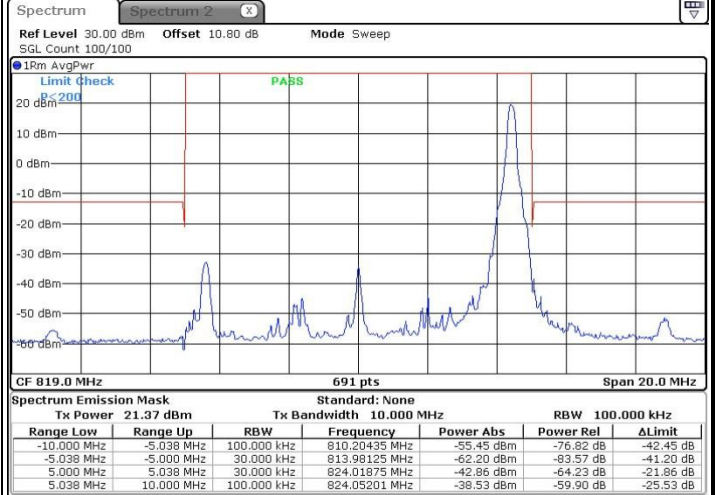
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



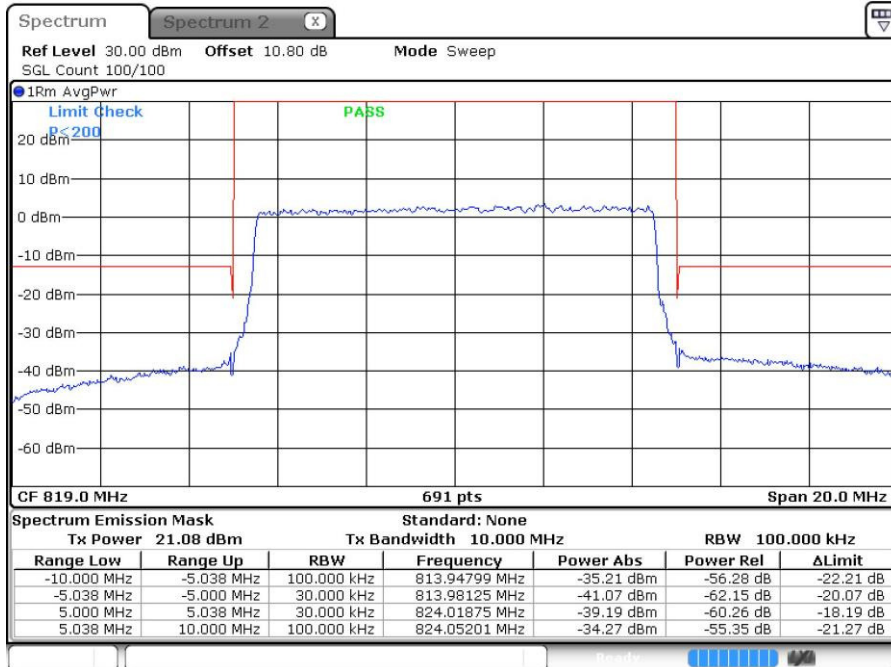
Date: 14.MAY.2017 10:24:36

Highest Band Edge / 1 RB



Date: 14.MAY.2017 10:25:45

Band Edge / Full RB

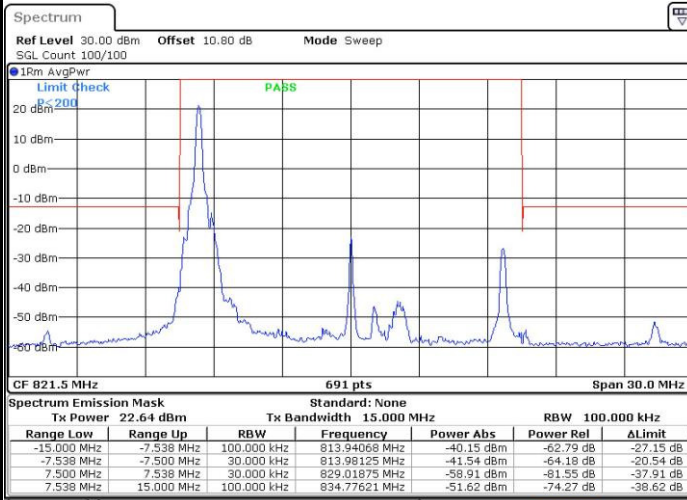


Date: 14.MAY.2017 10:26:54



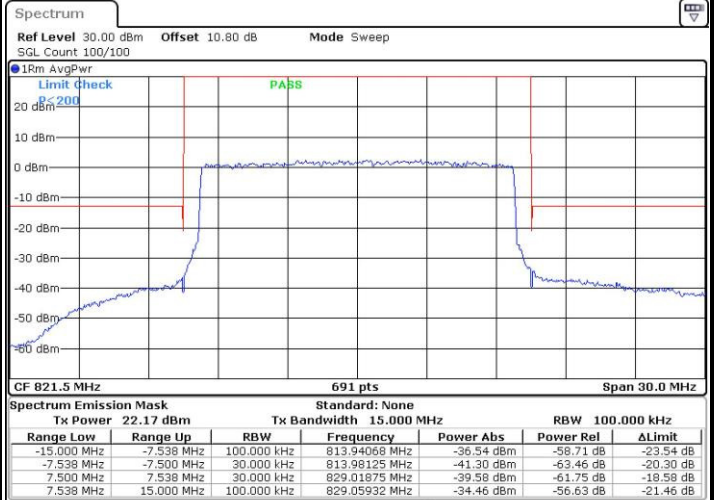
LTE Band 26 / 15MHz QPSK

Lowest Band Edge / 1 RB



Date: 13.MAY.2017 14:29:00

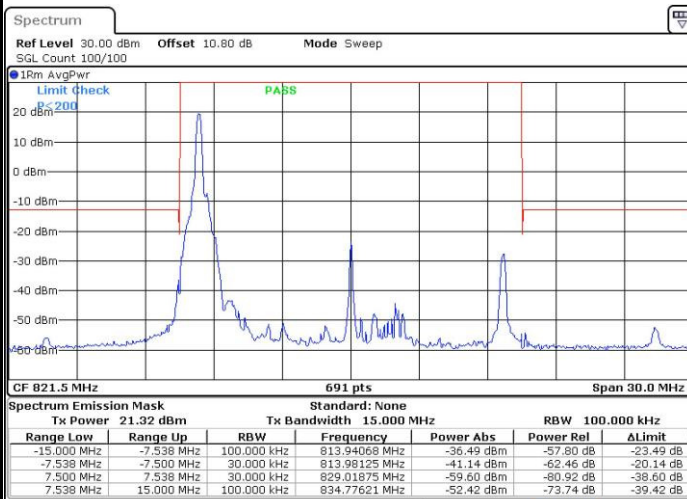
Lowest Band Edge / Full RB



Date: 13.MAY.2017 14:33:37

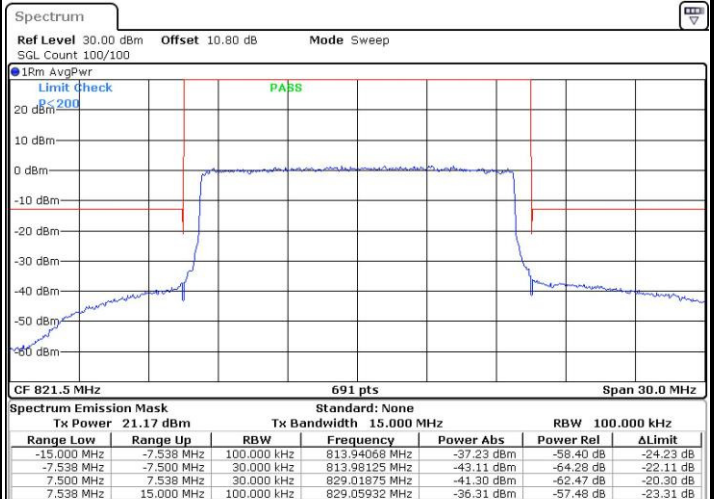
LTE Band 26 / 15MHz 16QAM

Lowest Band Edge / 1 RB



Date: 13.MAY.2017 14:30:09

Lowest Band Edge / Full RB

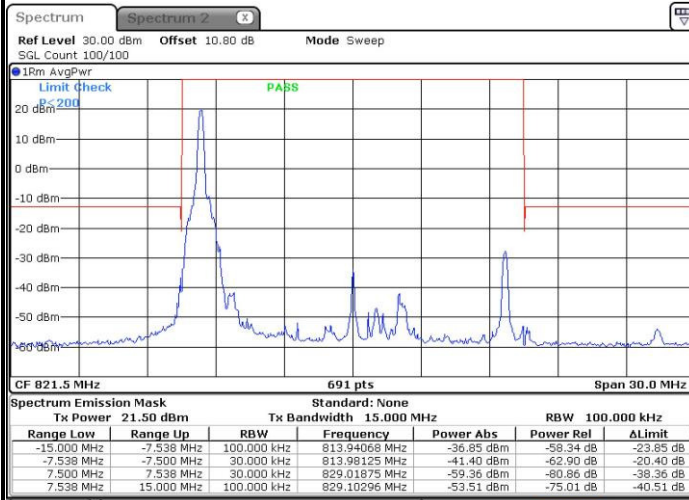


Date: 13.MAY.2017 14:34:46



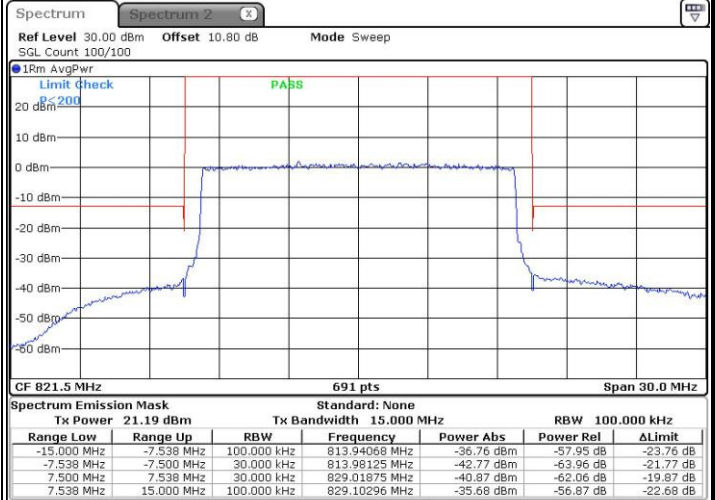
LTE Band 26 / 15MHz 64QAM

Lowest Band Edge / 1 RB



Date: 14.MAY.2017 10:28:04

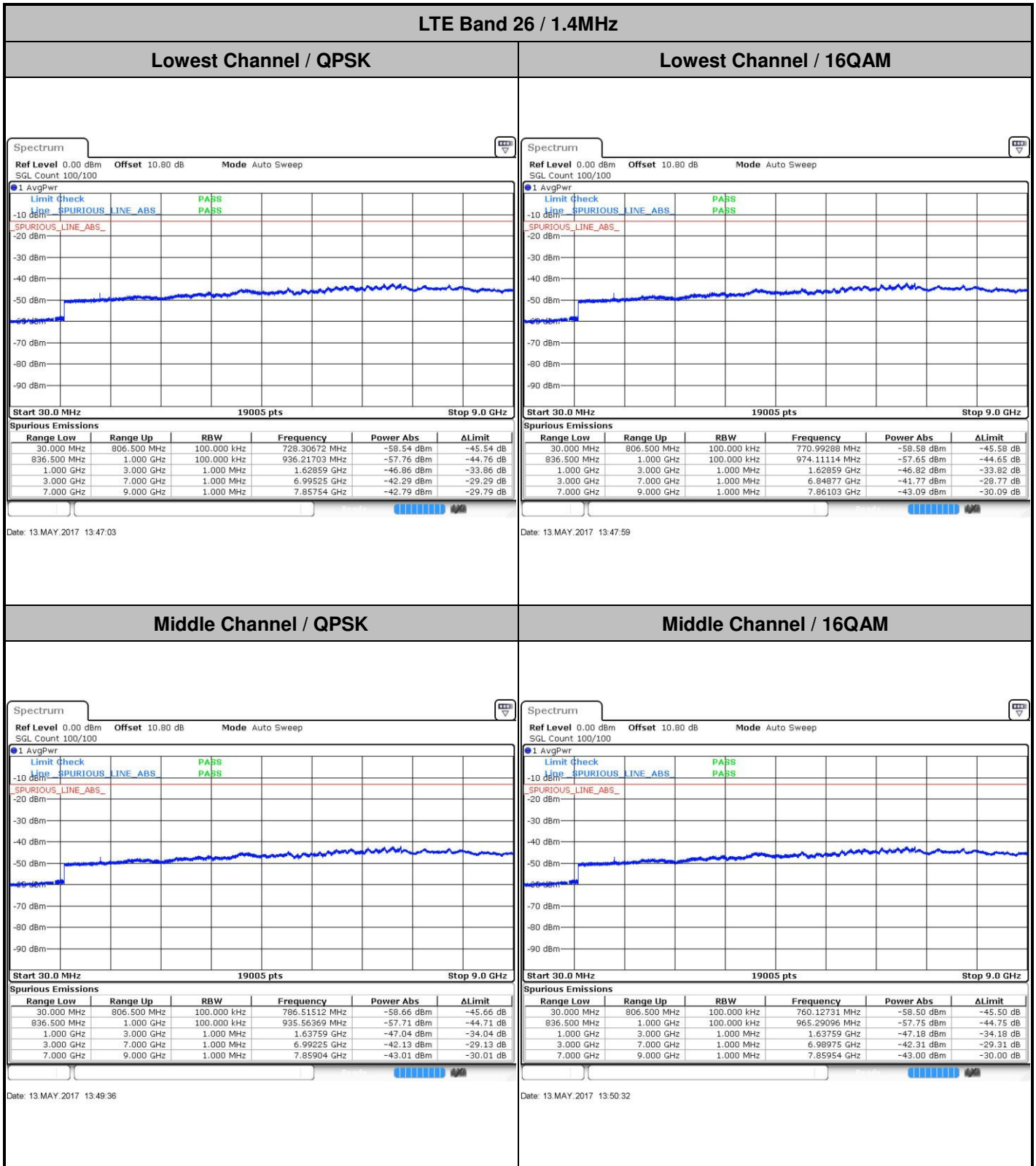
Lowest Band Edge / Full RB



Date: 14.MAY.2017 10:30:23



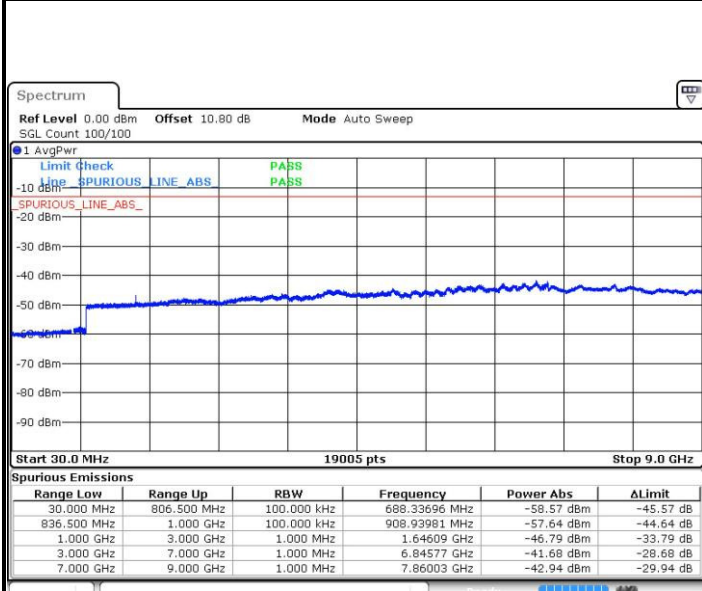
Conducted Spurious Emission





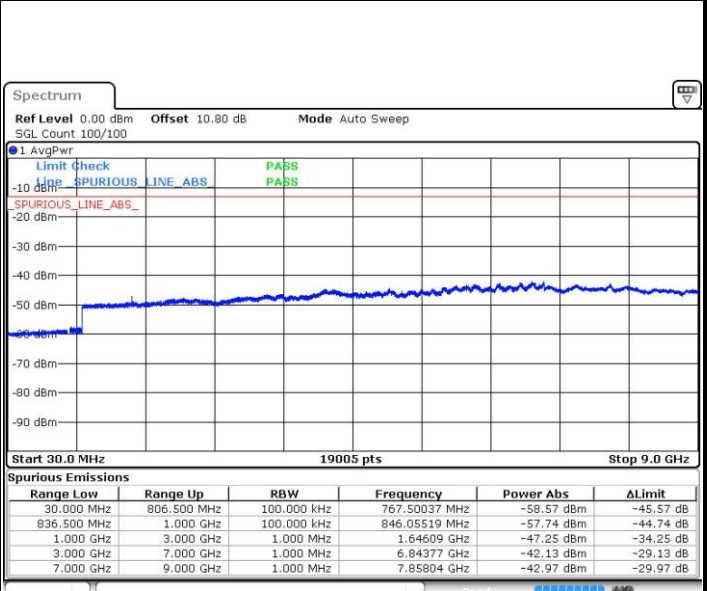
LTE Band 26 / 1.4MHz

Highest Channel / QPSK



Date: 13.MAY.2017 13:52:09

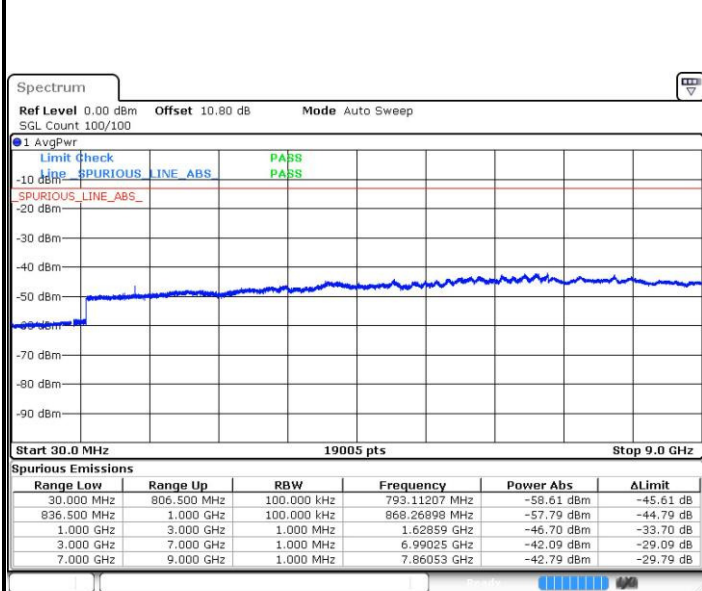
Highest Channel / 16QAM



Date: 13.MAY.2017 13:53:05

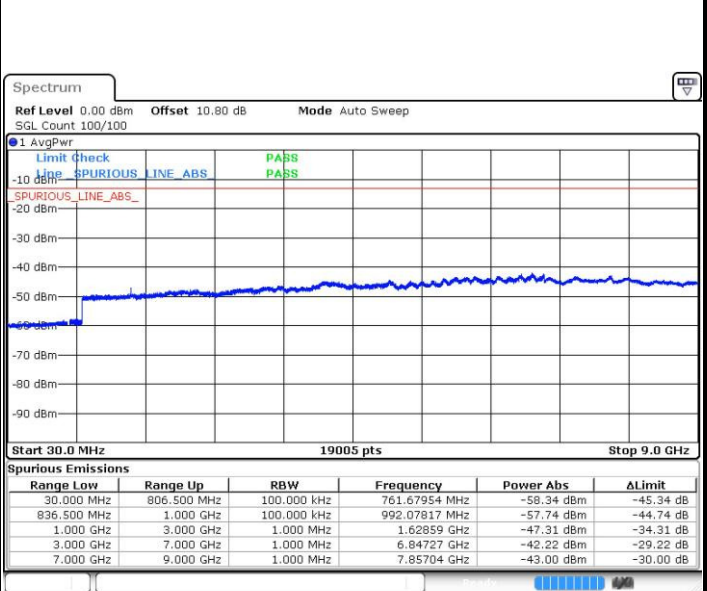
LTE Band 26 / 3MHz

Lowest Channel / QPSK



Date: 13.MAY.2017 14:36:24

Lowest Channel / 16QAM



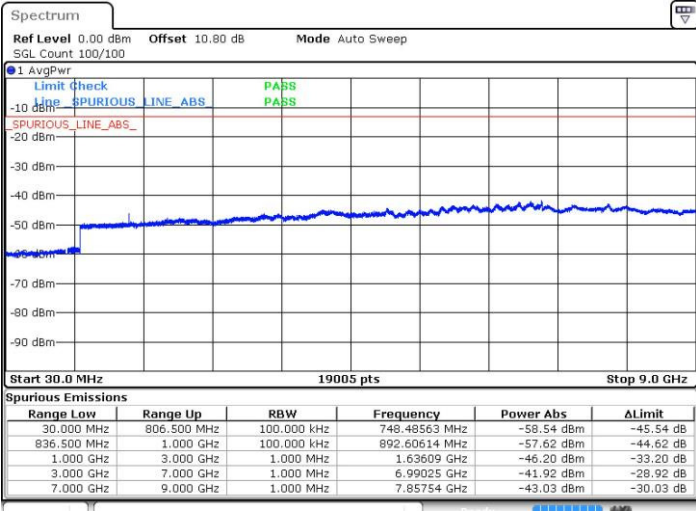
Date: 13.MAY.2017 14:37:20



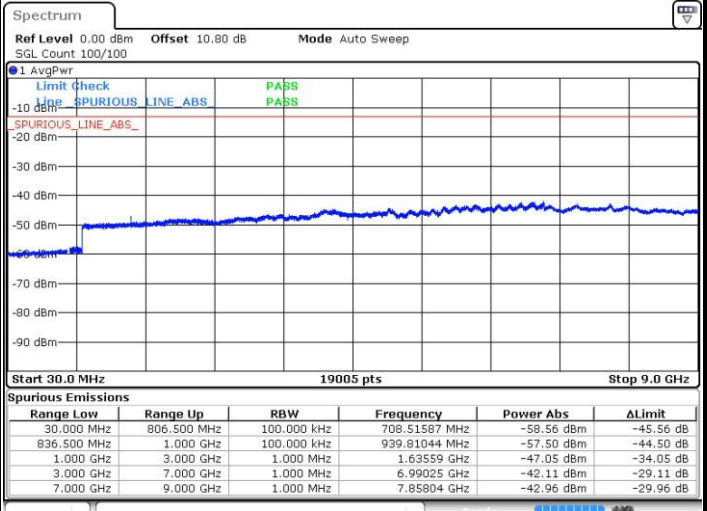
LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



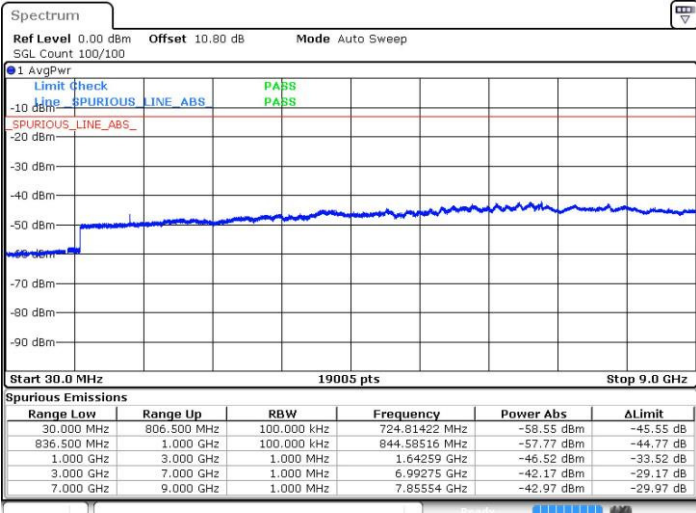
Date: 13.MAY.2017 14:38:57



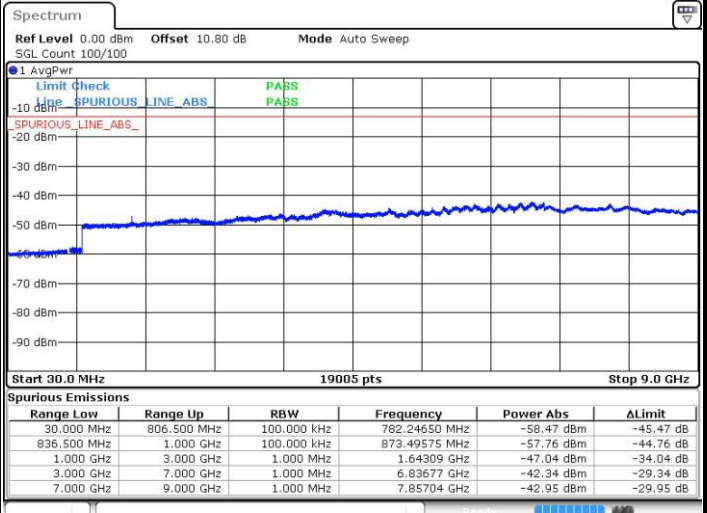
Date: 13.MAY.2017 14:39:53

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.MAY.2017 14:41:30



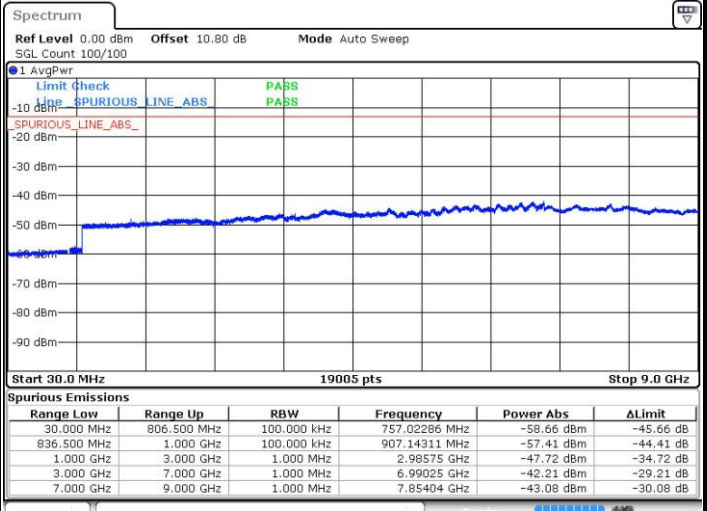
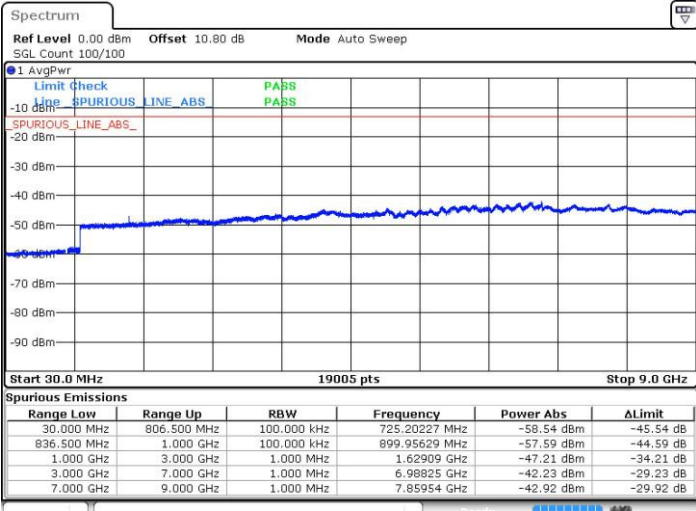
Date: 13.MAY.2017 14:42:26



LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

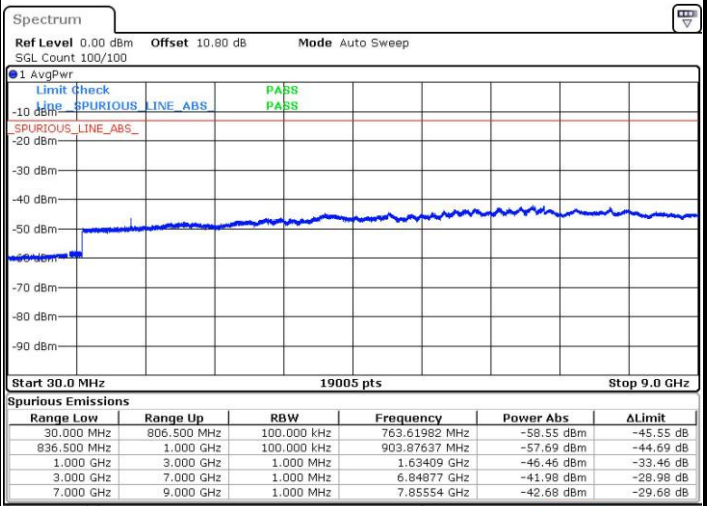
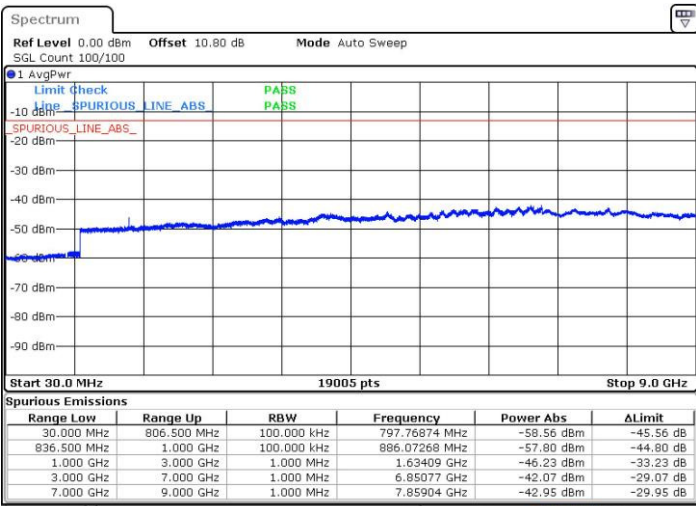


Date: 13.MAY.2017 14:44:03

Date: 13.MAY.2017 14:44:59

Middle Channel / QPSK

Middle Channel / 16QAM



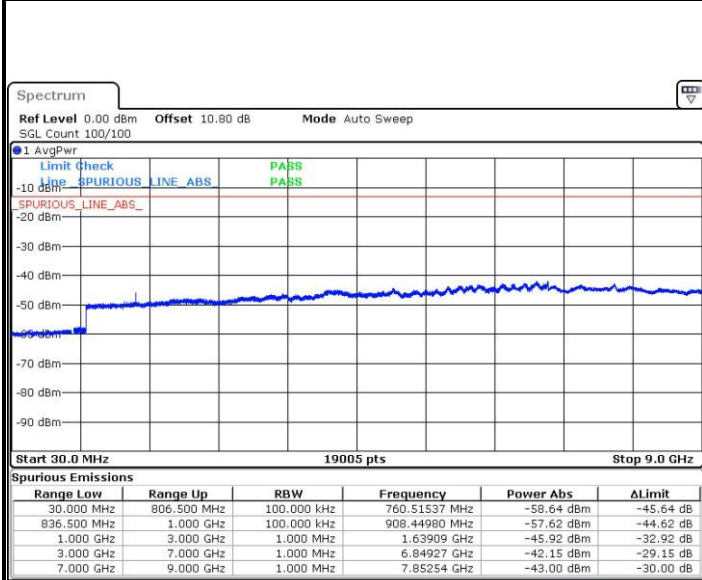
Date: 13.MAY.2017 14:46:36

Date: 13.MAY.2017 14:47:32



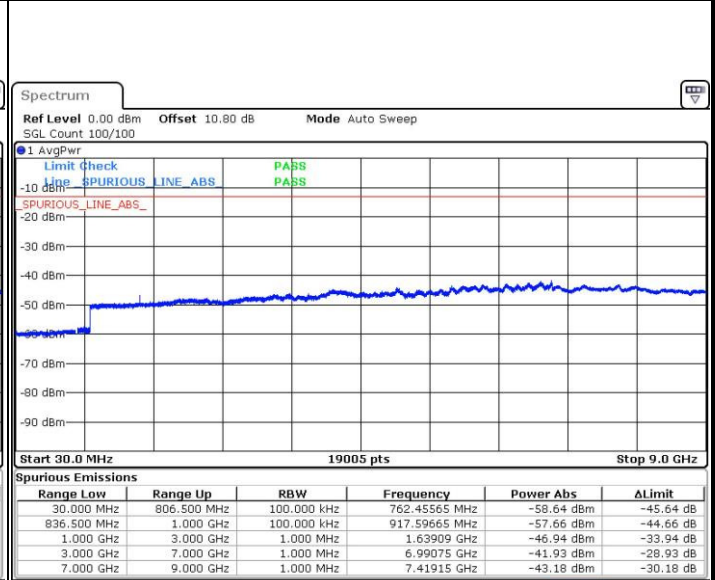
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 13.MAY.2017 14:49:09

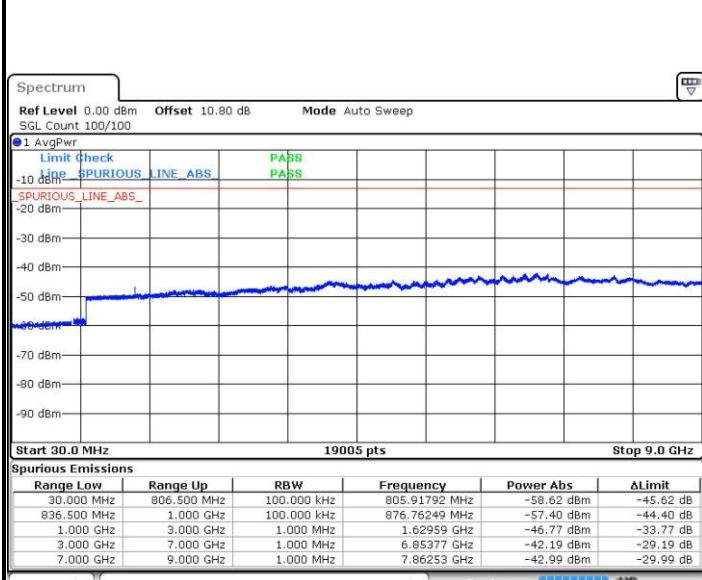
Highest Channel / 16QAM



Date: 13.MAY.2017 14:50:05

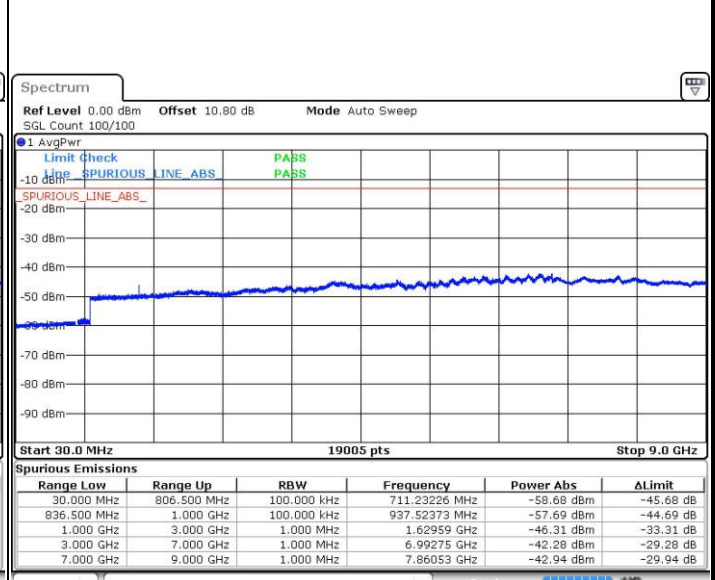
LTE Band 26 / 10MHz

Middle Channel / QPSK



Date: 13.MAY.2017 14:51:42

Middle Channel / 16QAM



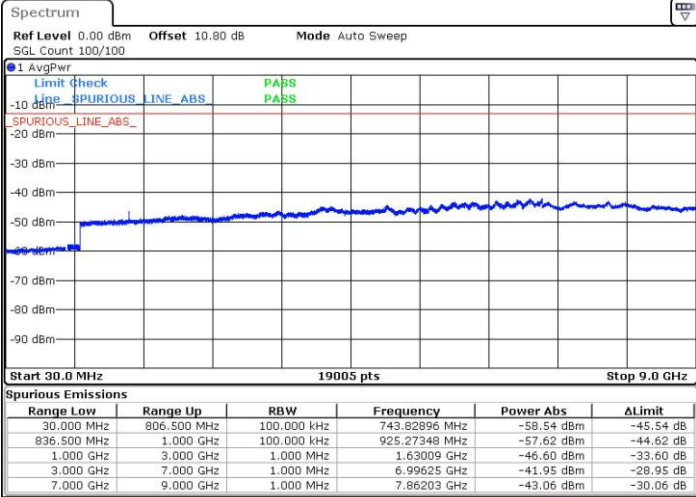
Date: 13.MAY.2017 14:52:38



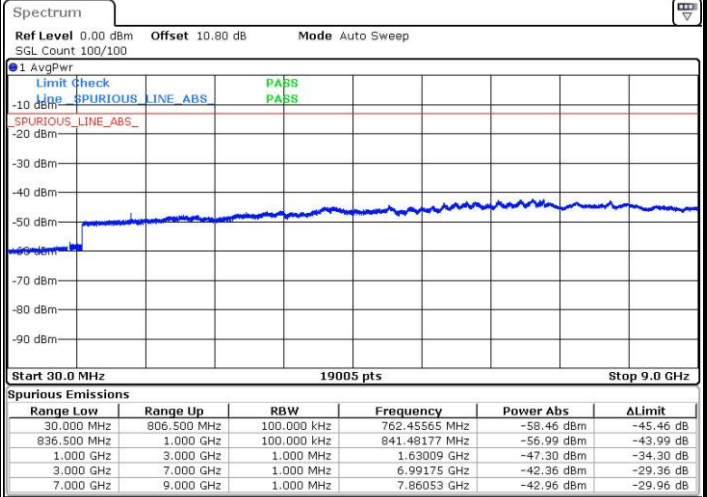
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 13.MAY.2017 14:54:15

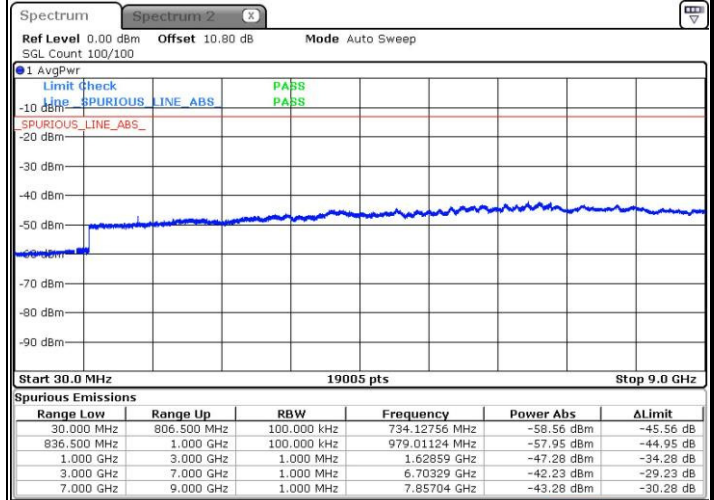


Date: 13.MAY.2017 14:55:11



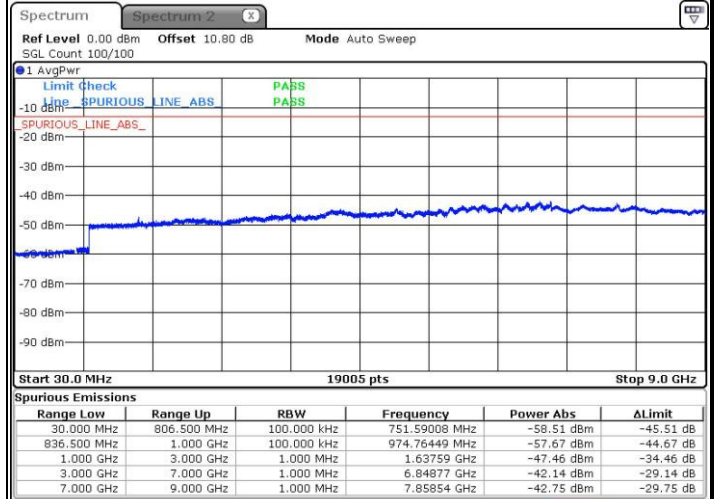
LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM



Date: 14.MAY.2017 10:43:43

Middle Channel / 64QAM

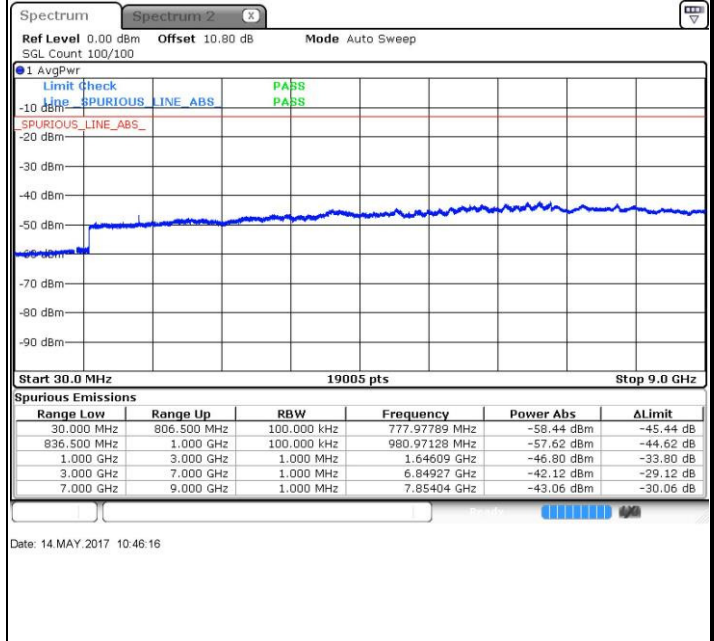


Date: 14.MAY.2017 10:45:00



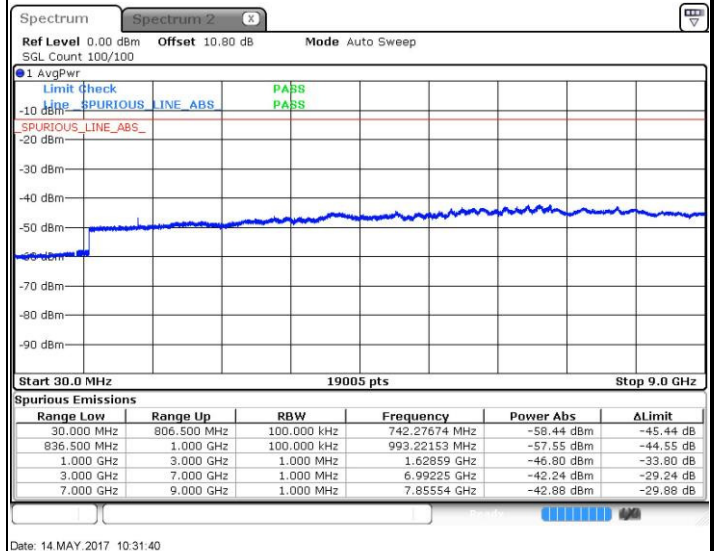
LTE Band 26 / 1.4MHz

Highest Channel / 64QAM



LTE Band 26 / 3MHz

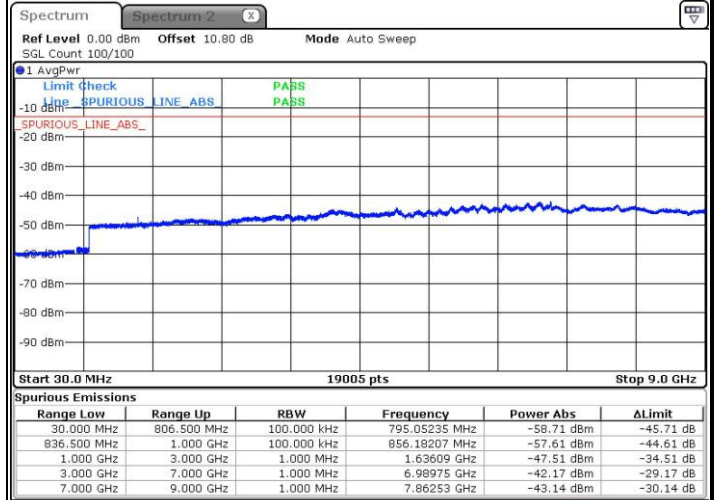
Lowest Channel / 64QAM





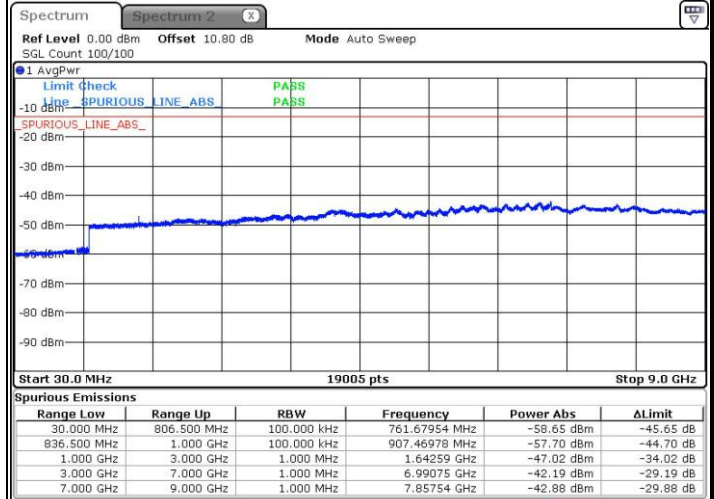
LTE Band 26 / 3MHz

Middle Channel / 64QAM



Date: 14.MAY.2017 10:32:56

Highest Channel / 64QAM

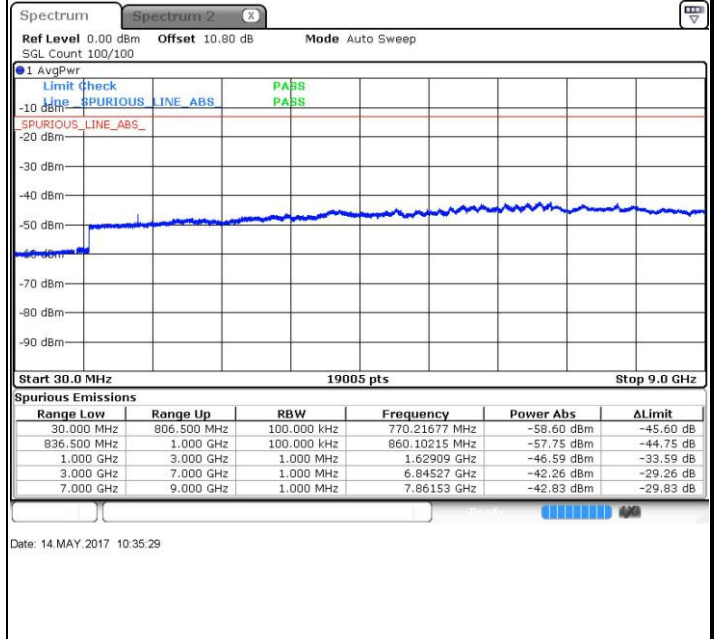


Date: 14.MAY.2017 10:34:13

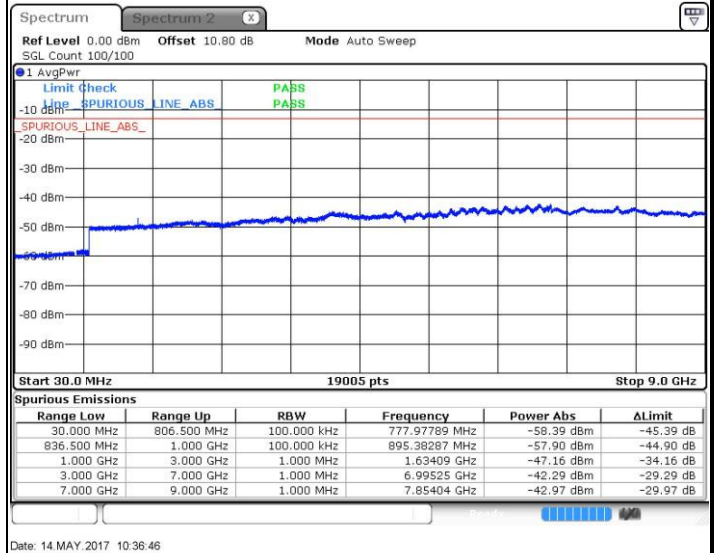


LTE Band 26 / 5MHz

Lowest Channel / 64QAM



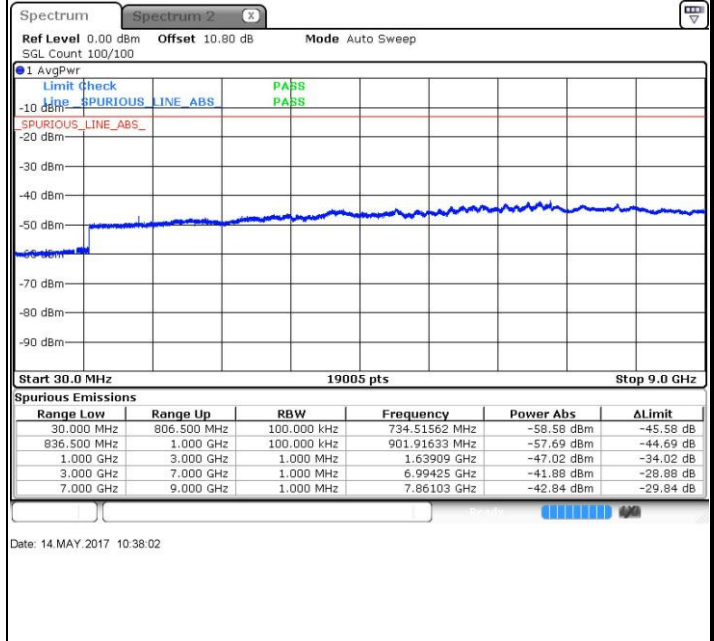
Middle Channel / 64QAM





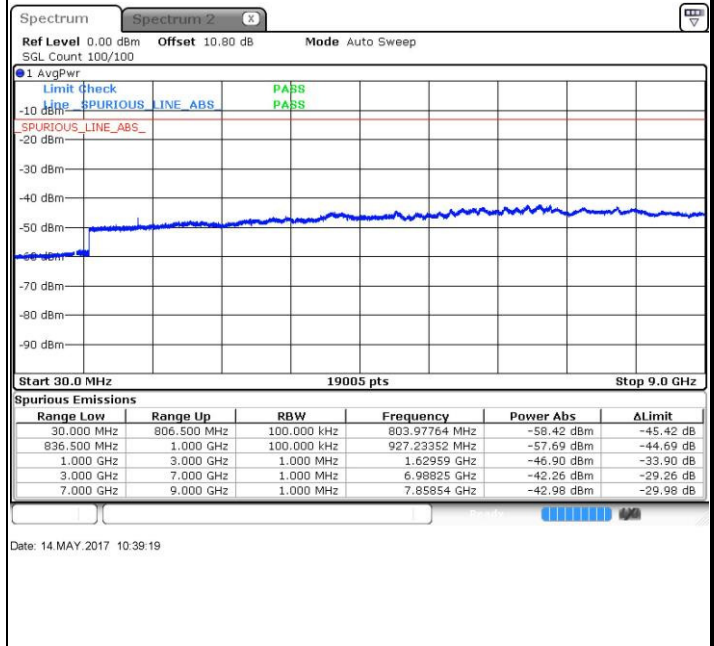
LTE Band 26 / 5MHz

Highest Channel / 64QAM



LTE Band 26 / 10MHz

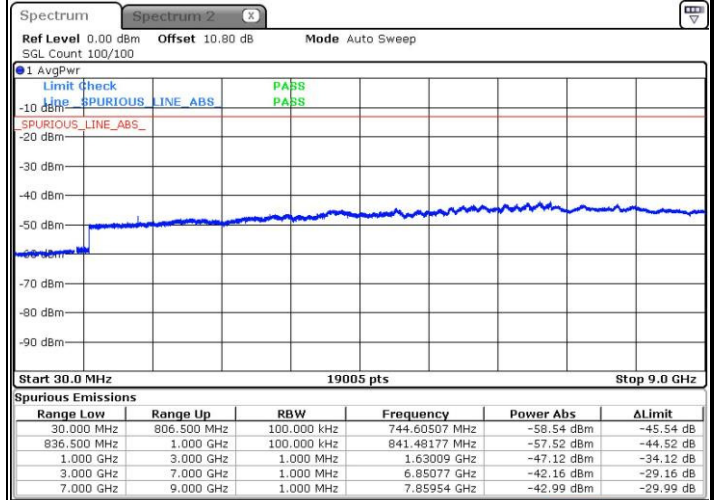
Middle Channel / 64QAM





LTE Band 26 / 15MHz

Lowest Channel / 64QAM



Date: 14.MAY.2017 10:40:35



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0051	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0048	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0082	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0062	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0068	
20	Maximum Voltage	0.0069	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0055	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP and Radiated Test

ERP

LTE Band 26 / 15MHz (Channel 26765) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.32	0.2148	22.82	0.1914
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	16QAM	1	0	22.45	0.1758	21.95	0.1567
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Lowest	64QAM	1	0	21.45	0.1396	20.95	0.1245
Middle		-	-	-	-	-	-
Highest		-	-	-	-	-	-
Limit	ERP < 7W			Result		PASS	



Radiated Spurious Emission

Part 90S LTE Band 26

Part 90S LTE Band 26 / 1.4MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-58.83	-13	-45.83	-45.94	-60.64	0.97	4.93	H
	2442	-66.54	-13	-53.54	-59	-68.34	1.27	5.23	H
	3256	-65.41	-13	-52.41	-60.12	-68.66	1.53	6.93	H
									H
									H
									H
	1632	-53.96	-13	-40.96	-41.51	-55.77	0.97	4.93	V
	2442	-66.24	-13	-53.24	-59.13	-68.04	1.27	5.23	V
	3256	-65.31	-13	-52.31	-60.35	-68.56	1.53	6.93	V
									V
									V
									V
Middle	1640	-56.53	-13	-43.53	-43.77	-58.31	0.97	4.91	H
	2457	-66.72	-13	-53.72	-59.21	-68.56	1.28	5.27	H
	3276	-65.55	-13	-52.55	60.34	-68.88	1.53	7.01	H
									H
									H
									H
	1640	-51.04	-13	-38.04	-38.71	-52.82	0.97	4.91	V
	2457	-66.18	-13	-53.18	-59.14	-68.02	1.28	5.27	V
	3276	-65.14	-13	-52.14	-60.29	-68.47	1.53	7.01	V
									V
									V
									V



Highest	1648	-55.57	-13	-42.57	-42.76	-57.33	0.98	4.89	H
	2472	-66.38	-13	-53.38	-59.01	-68.26	1.28	5.32	H
	3296	-65.36	-13	-52.36	-60.24	-68.77	1.54	7.10	H
									H
									H
									H
									H
	1648	-52.77	-13	-39.77	-40.43	-54.53	0.98	4.89	V
	2472	-65.94	-13	-52.94	-59.01	-67.82	1.28	5.32	V
	3296	-65.34	-13	-52.34	-60.43	-68.75	1.54	7.10	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Part 90S LTE Band 26 / 3MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-60.23	-13	-47.23	-47.17	-62.04	0.97	4.93	H
	2456	-67.14	-13	-54.14	-59.6	-68.98	1.28	5.27	H
	3266	-65.83	-13	-52.83	-60.51	-69.12	1.53	6.97	H
									H
									H
									H
									H
	1632	-53.98	-13	-40.98	-41.56	-55.79	0.97	4.93	V
	2456	-64.79	-13	-51.79	-57.77	-66.63	1.28	5.27	V
	3266	-65.34	-13	-52.34	-60.41	-68.63	1.53	6.97	V
									V
									V
									V
									V
Middle	1640	-58.91	-13	-45.91	-46.24	-60.69	0.97	4.91	H
	2457	-66.41	-13	-53.41	-59.16	-68.25	1.28	5.27	H
	3276	-65.78	-13	-52.78	-60.57	-69.11	1.53	7.01	H
									H
									H
									H
									H
	1640	-52.91	-13	-39.91	-40.72	-54.69	0.97	4.91	V
	2457	-66.38	-13	-53.38	-59.57	-68.22	1.28	5.27	V
	3272	-65.31	-13	-52.31	-60.43	-68.62	1.53	7.00	V
									V
									V
									V
									V
								V	



Highest	1640	-57.91	-13	-44.91	-45.14	-59.69	0.97	4.91	H
	2467	-66.82	-13	-53.82	-59.53	-68.69	1.28	5.30	H
	3290	-65.73	-13	-52.73	-60.67	-69.12	1.54	7.08	H
									H
									H
									H
									H
	1640	-59.81	-13	-46.81	-57.64	-61.59	0.97	4.91	V
	2467	-66.46	-13	-53.46	-59.62	-68.33	1.28	5.30	V
	3288	-65.40	-13	-52.40	-60.71	-68.78	1.54	7.07	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Part 90S LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-59.34	-13	-46.34	-46.52	-61.15	0.97	4.93	H
	2449	-67.06	-13	-54.06	-59.63	-68.88	1.27	5.25	H
	3266	-65.73	-13	-52.73	-60.33	-69.02	1.53	6.97	H
									H
									H
									H
									H
	1632	-53.44	-13	-40.44	-41.11	-55.25	0.97	4.93	V
	2449	-66.43	-13	-53.43	-59.55	-68.25	1.27	5.25	V
	3266	-65.23	-13	-52.23	-60.48	-68.52	1.53	6.97	V
									V
									V
									V
									V
Middle	1632	-58.01	-13	-45.01	-45.18	-59.82	0.97	4.93	H
	2457	-66.93	-13	-53.93	-59.64	-68.77	1.28	5.27	H
	3276	-65.69	-13	-52.69	-60.58	-69.02	1.53	7.01	H
									H
									H
									H
									H
	1632	-52.35	-13	-39.35	-40	-54.16	0.97	4.93	V
	2457	-66.57	-13	-53.57	-59.62	-68.41	1.28	5.27	V
	3276	-65.18	-13	-52.18	-60.49	-68.51	1.53	7.01	V
									V
									V
									V
									V
								V	



Highest	1640	-56.91	-13	-43.91	-44.21	-58.69	0.97	4.91	H
	2464	-66.49	-13	-53.49	-59.19	-68.35	1.28	5.29	H
	3286	-65.85	-13	-52.85	-60.71	-69.22	1.54	7.06	H
									H
									H
									H
									H
	1640	-56.44	-13	-43.44	-44.17	-58.22	0.97	4.91	V
	2464	-66.36	-13	-53.36	-59.48	-68.22	1.28	5.29	V
	3288	-65.39	-13	-52.39	-60.45	-68.77	1.54	7.07	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Part 90S LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1632	-59.12	-13	-46.12	-46.12	-60.93	0.97	4.93	H
	2448	-66.23	-13	-53.23	-58.93	-68.05	1.27	5.24	H
	3264	-65.73	-13	-52.73	-60.43	-69.01	1.53	6.96	H
									H
									H
									H
									H
	1632	-52.34	-13	-39.34	-40.02	-54.15	0.97	4.93	V
	2448	-66.24	-13	-53.24	-59.3	-68.06	1.27	5.24	V
	3264	-64.94	-13	-51.94	-60.24	-68.22	1.53	6.96	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Part 90S LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1632	-57.04	-13	-44.04	-44.1	-58.85	0.97	4.93	H
	2448	-66.97	-13	-53.97	-59.48	-68.79	1.27	5.24	H
	3264	-65.64	-13	-52.64	-60.31	-68.92	1.53	6.96	H
									H
									H
									H
									H
	1632	-53.67	-13	-40.67	-41.21	-55.48	0.97	4.93	V
	2448	-66.64	-13	-53.64	-59.51	-68.46	1.27	5.24	V
	3264	-65.07	-13	-52.07	-60.17	-68.35	1.53	6.96	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.