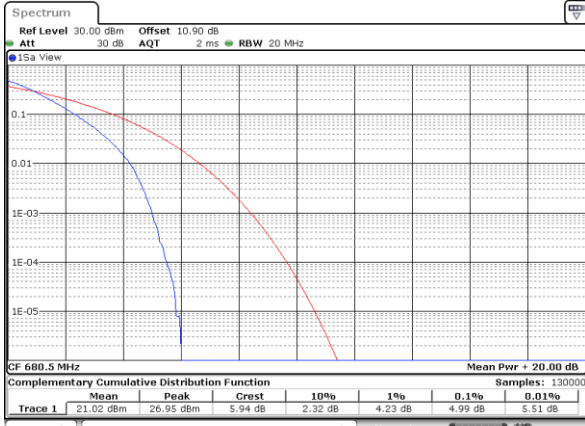




LTE Band 71 / 20MHz / QPSK

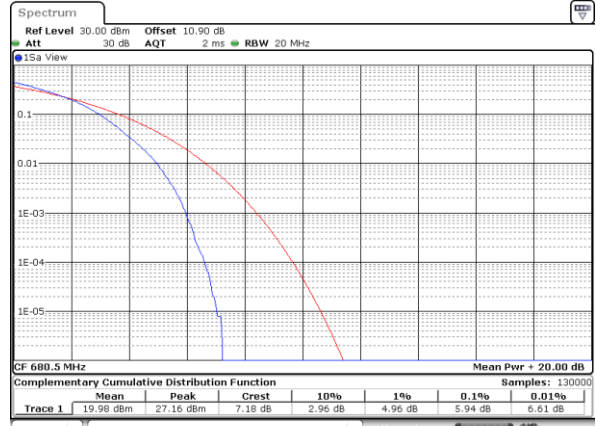
Middle Channel / Full RB



Date: 23.DEC.2021 09:59:51

LTE Band 71 / 20MHz / 16QAM

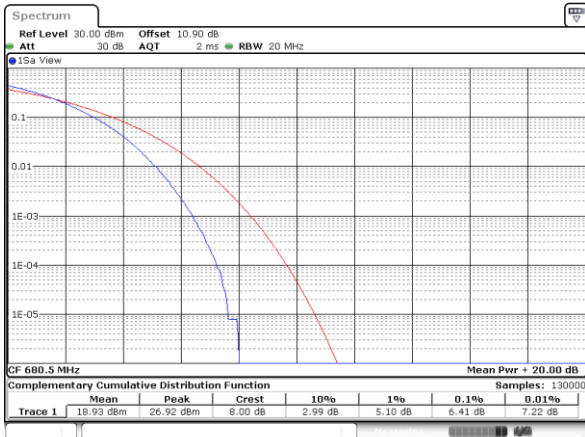
Middle Channel / Full RB



Date: 23.DEC.2021 09:59:29

LTE Band 71 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 23.DEC.2021 10:00:13



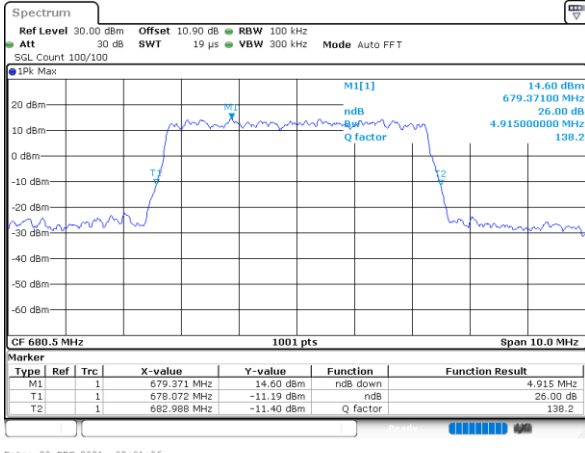
26dB Bandwidth

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.92	4.95	9.65	9.85	14.51	14.54	19.34	19.14
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.97	-	9.69	-	14.51	-	19.06	-



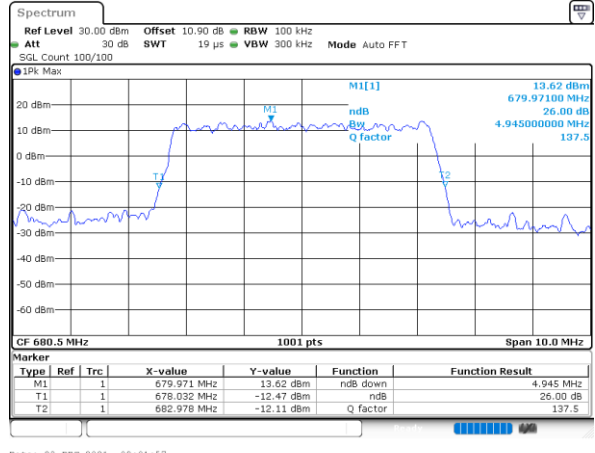
LTE Band 71

Middle Channel / 5MHz / QPSK



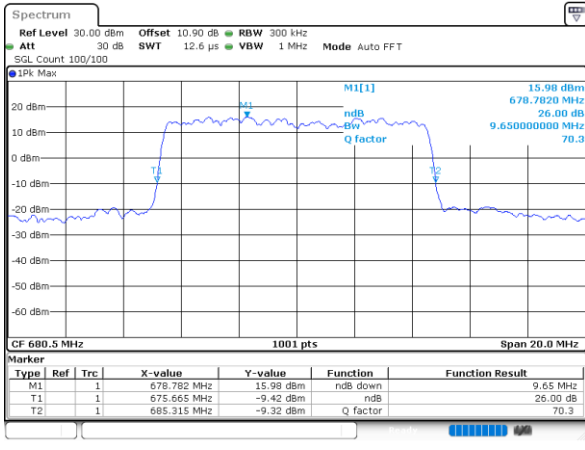
Date: 23.DEC.2021 09:01:36

Middle Channel / 5MHz / 16QAM



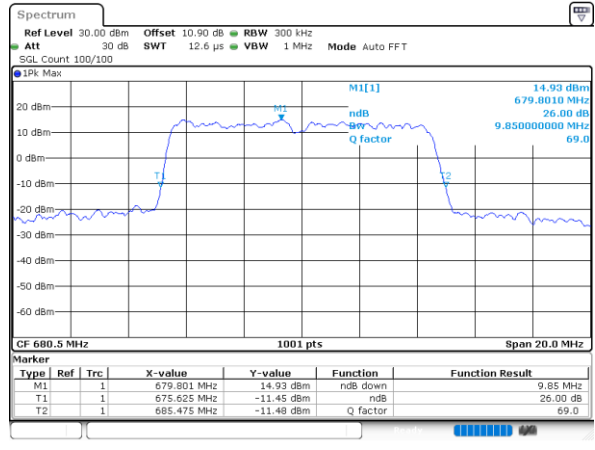
Date: 23.DEC.2021 09:01:57

Middle Channel / 10MHz / QPSK



Date: 23.DEC.2021 09:26:03

Middle Channel / 10MHz / 16QAM

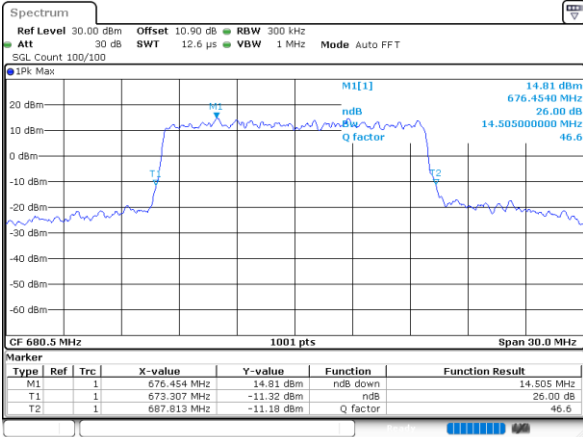


Date: 23.DEC.2021 09:26:23



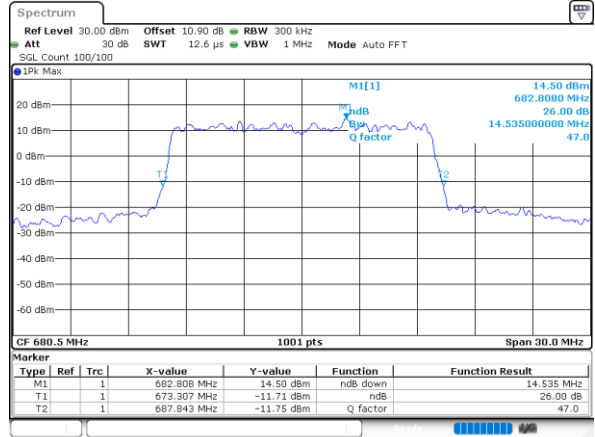
LTE Band 71

Middle Channel / 15MHz / QPSK



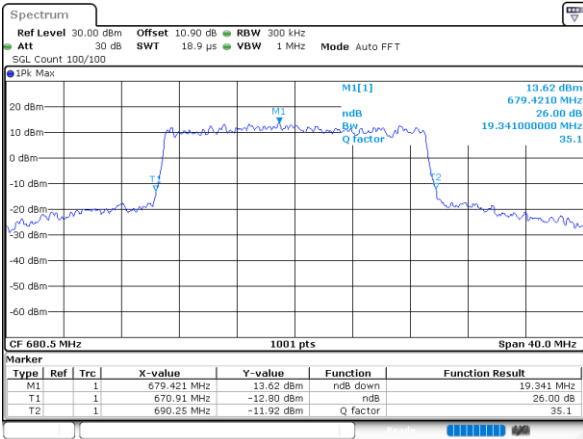
Date: 23.DEC.2021 09:38:33

Middle Channel / 15MHz / 16QAM



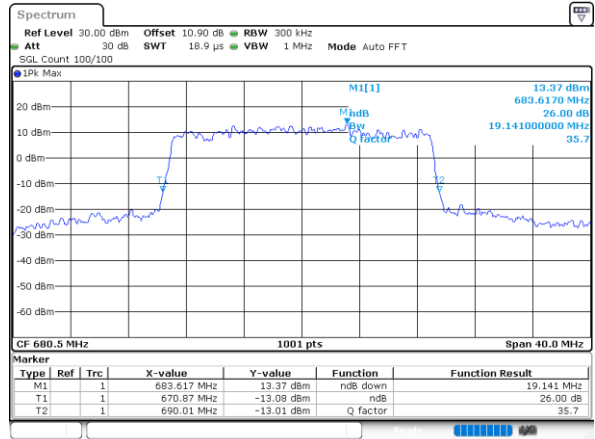
Date: 23.DEC.2021 09:38:54

Middle Channel / 20MHz / QPSK



Date: 23.DEC.2021 09:51:04

Middle Channel / 20MHz / 16QAM

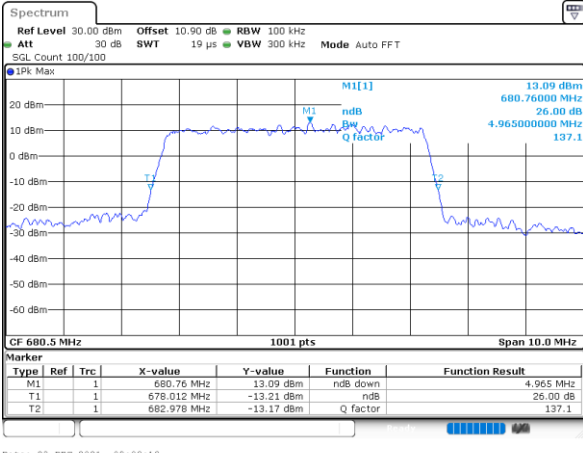


Date: 23.DEC.2021 09:51:25



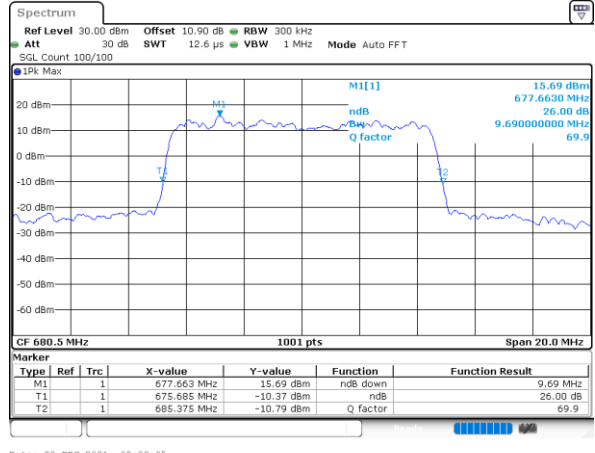
LTE Band 71

Middle Channel / 5MHz / 64QAM



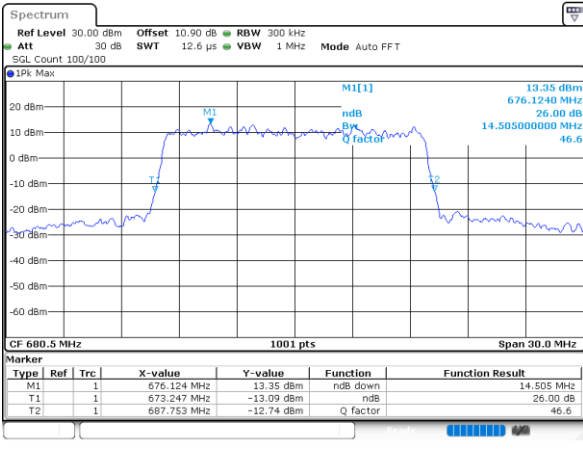
Date: 23.DEC.2021 09:08:18

Middle Channel / 10MHz / 64QAM



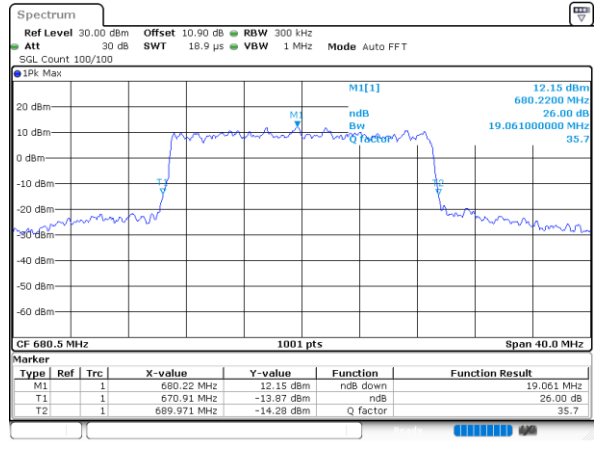
Date: 23.DEC.2021 09:13:15

Middle Channel / 15MHz / 64QAM



Date: 23.DEC.2021 09:45:06

Middle Channel / 20MHz / 64QAM



Date: 23.DEC.2021 09:57:38



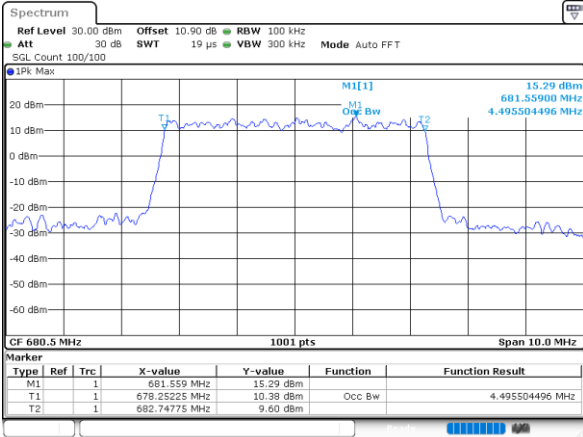
Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.50	9.01	8.97	13.40	13.46	17.90	17.74
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.50	-	8.99	-	13.49	-	17.86	-

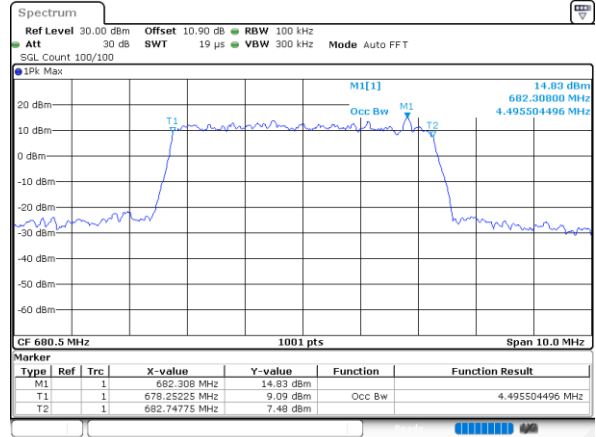


LTE Band 71

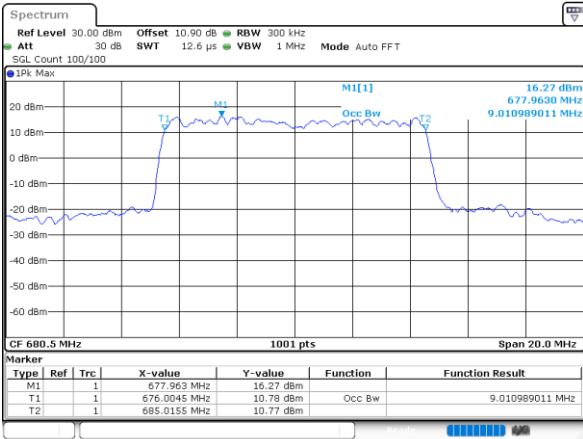
Middle Channel / 5MHz / QPSK



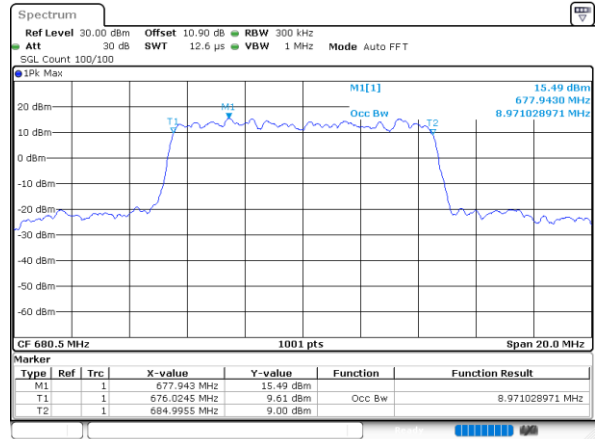
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



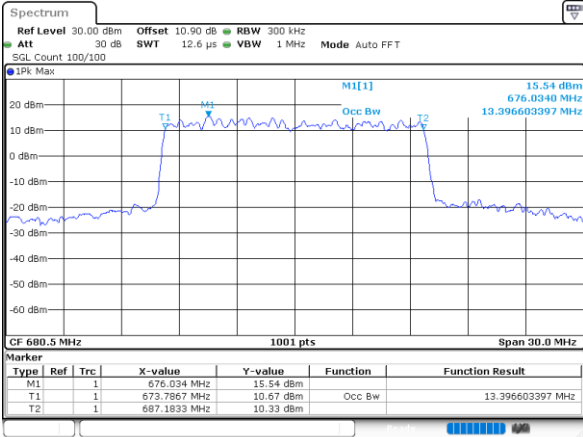
Middle Channel / 10MHz / 16QAM



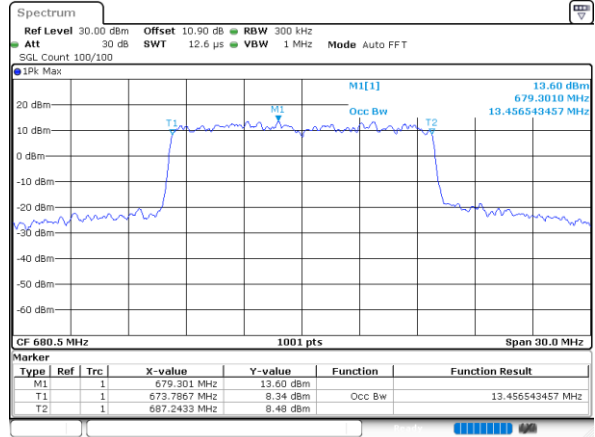


LTE Band 71

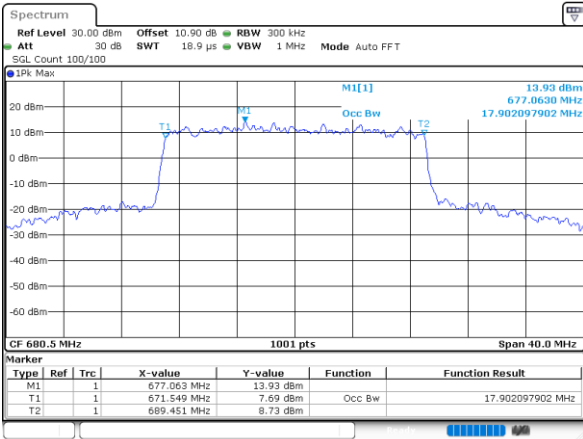
Middle Channel / 15MHz / QPSK



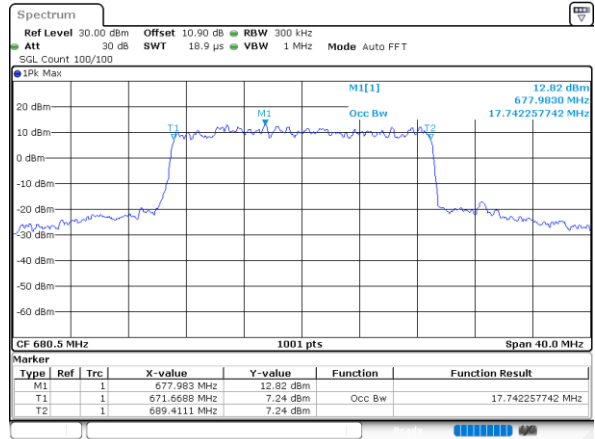
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



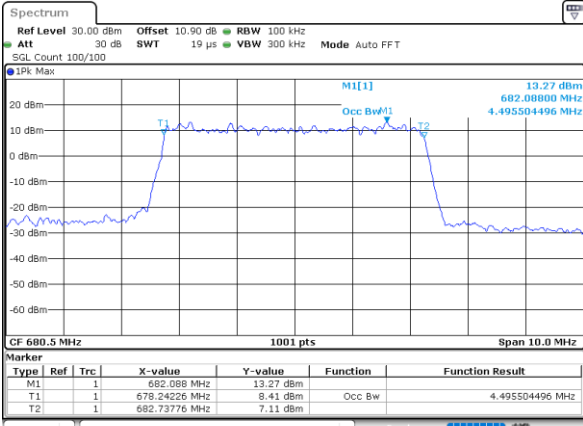
Middle Channel / 20MHz / 16QAM





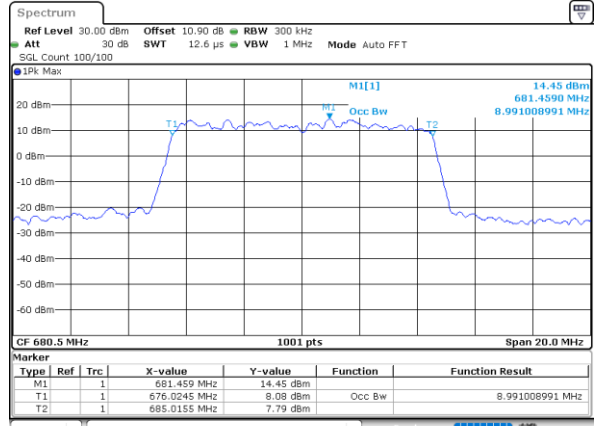
LTE Band 71

Middle Channel / 5MHz / 64QAM



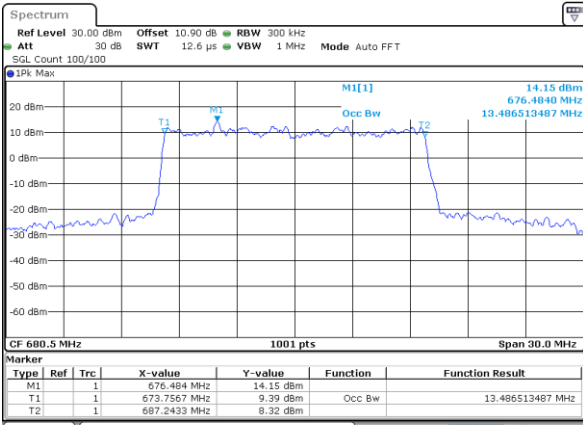
Date: 23.DEC.2021 09:07:57

Middle Channel / 10MHz / 64QAM



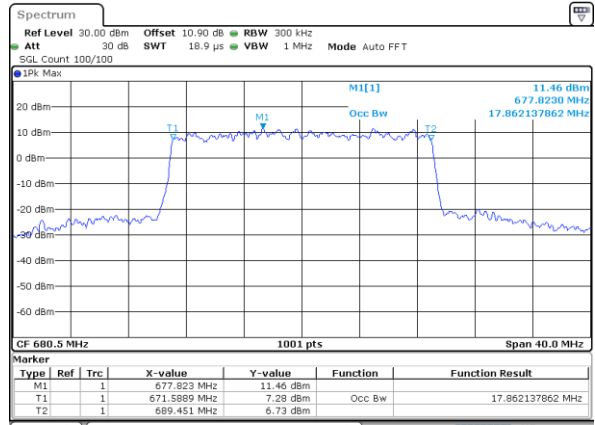
Date: 23.DEC.2021 09:13:14

Middle Channel / 15MHz / 64QAM



Date: 23.DEC.2021 09:44:46

Middle Channel / 20MHz / 64QAM



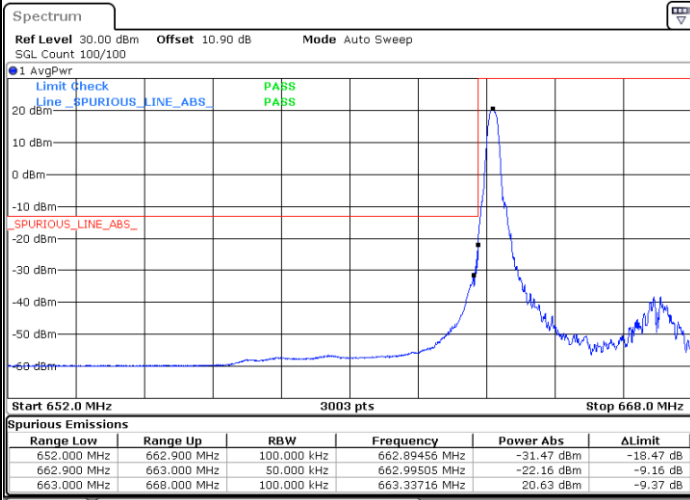
Date: 23.DEC.2021 09:57:18



Conducted Band Edge

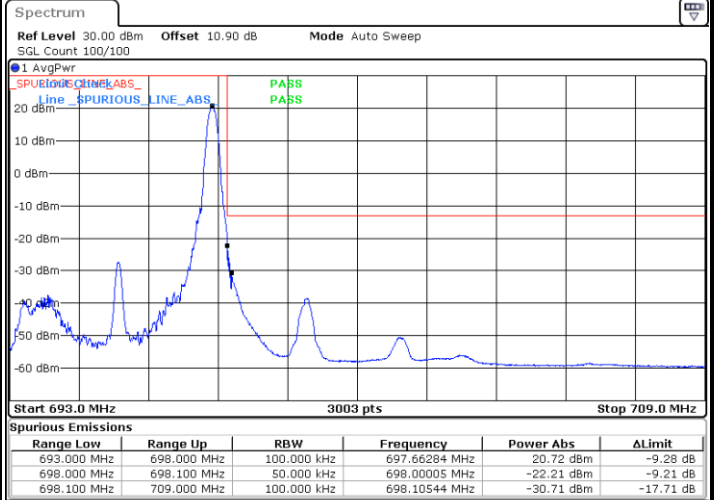
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



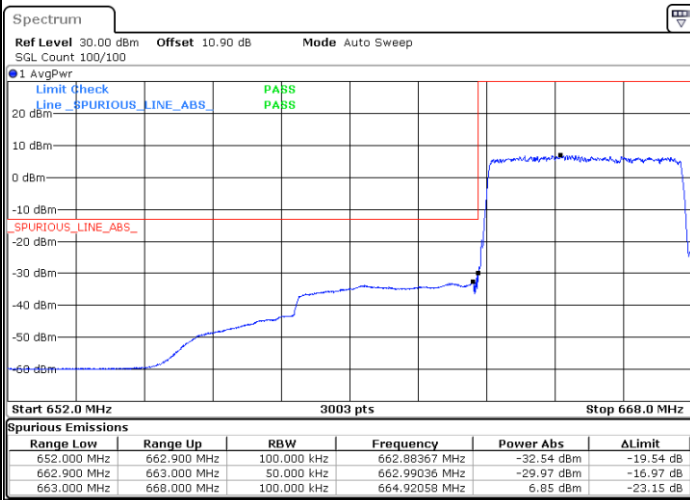
Date: 23.DEC.2021 08:57:45

Highest Band Edge / 1 RB



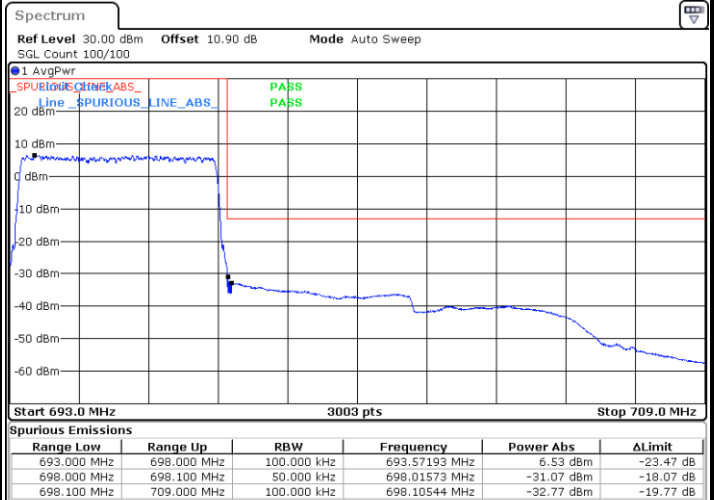
Date: 23.DEC.2021 09:03:16

Lowest Band Edge / Full RB



Date: 23.DEC.2021 08:59:14

Highest Band Edge / Full RB

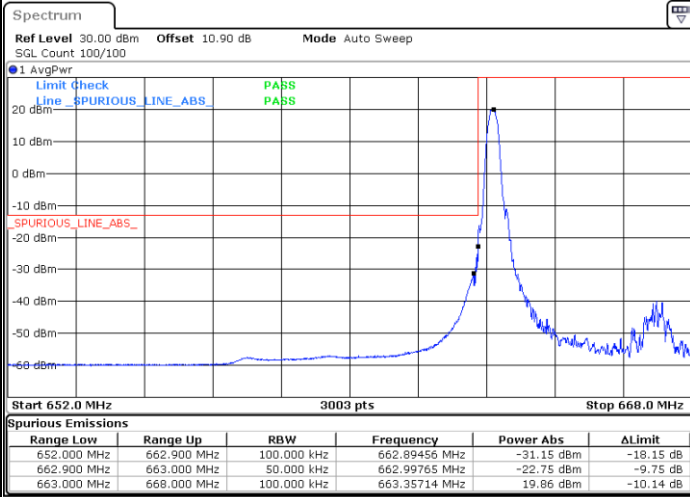


Date: 23.DEC.2021 09:04:47



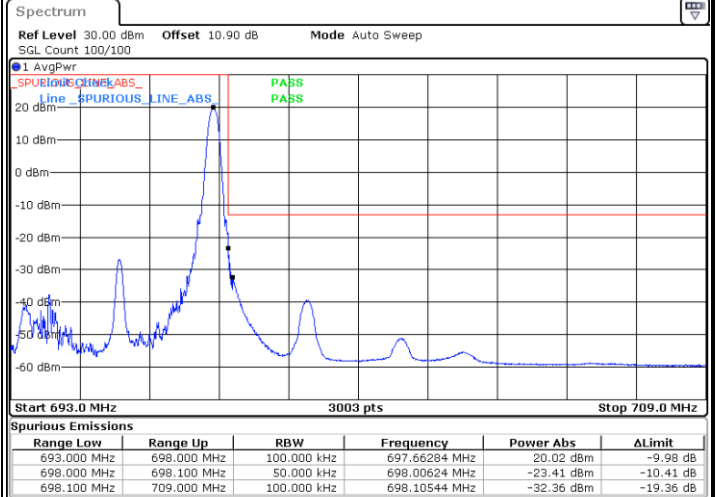
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1RB



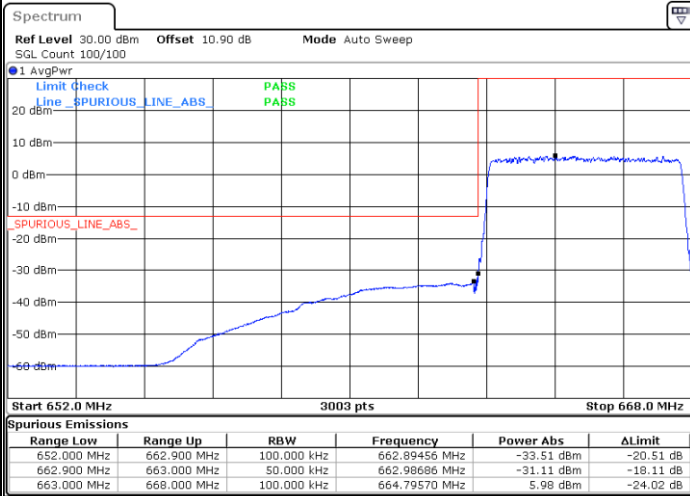
Date: 23.DEC.2021 08:58:30

Highest Band Edge / 1 RB



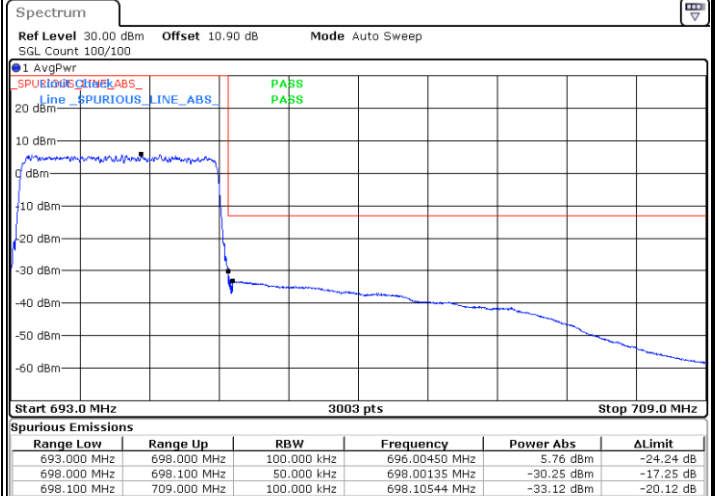
Date: 23.DEC.2021 09:04:02

Lowest Band Edge / Full RB



Date: 23.DEC.2021 08:59:59

Highest Band Edge / Full RB

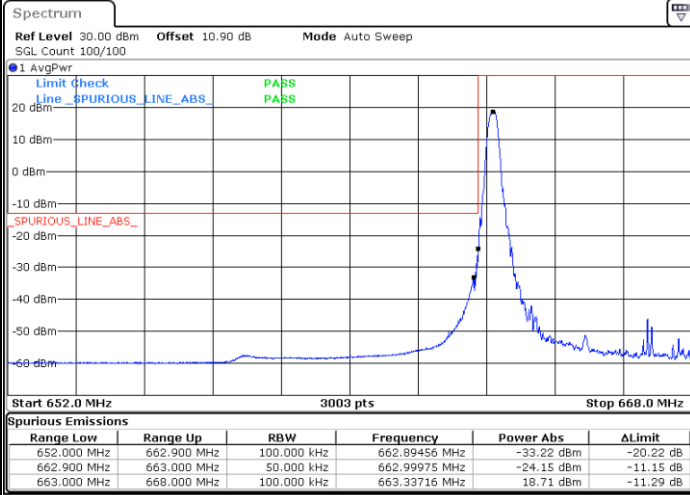


Date: 23.DEC.2021 09:05:32



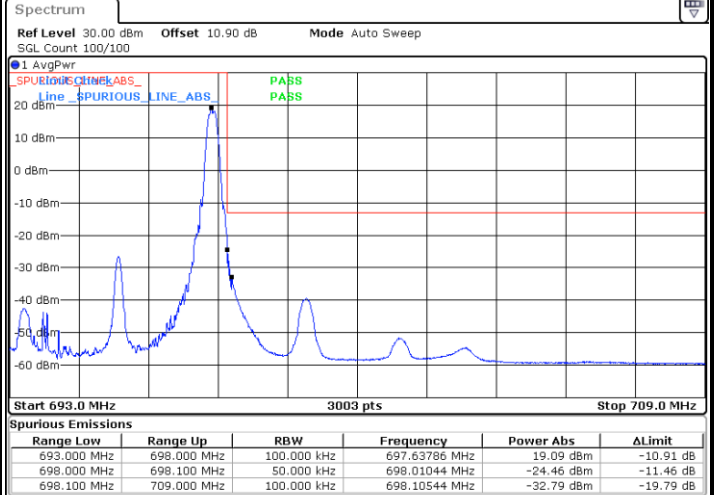
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



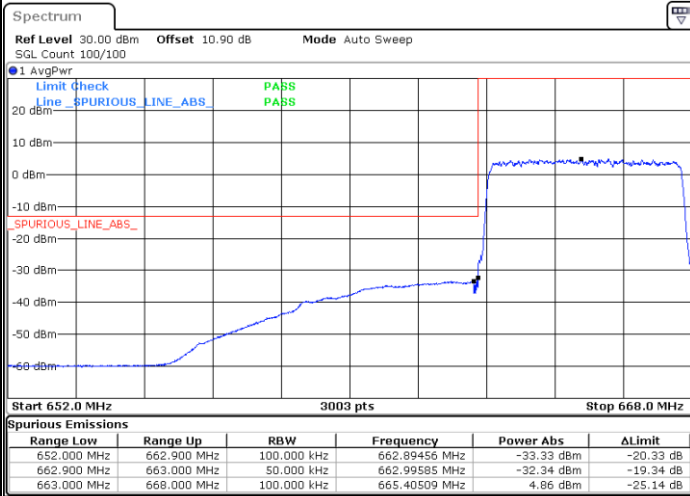
Date: 23.DEC.2021 09:06:51

Highest Band Edge / 1 RB



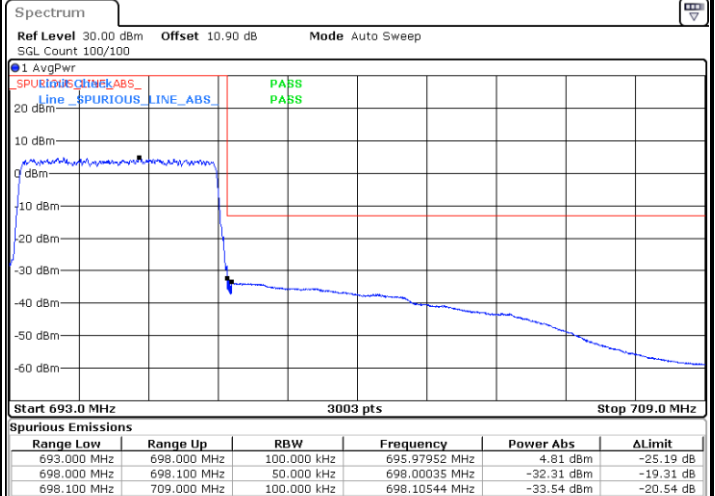
Date: 23.DEC.2021 09:09:03

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:07:36

Highest Band Edge / Full RB

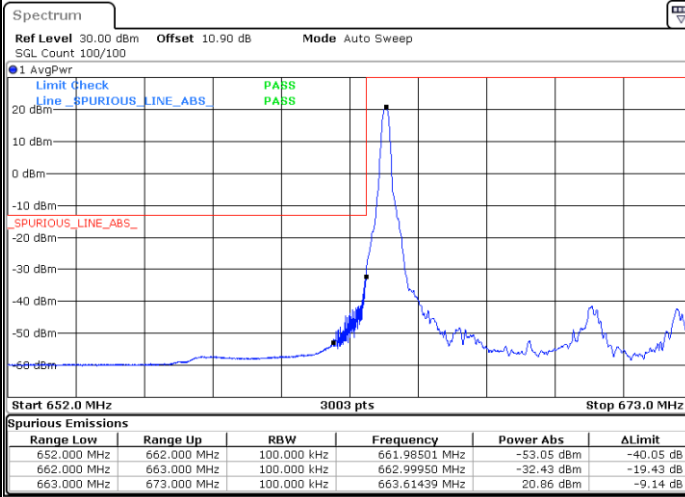


Date: 23.DEC.2021 09:09:48



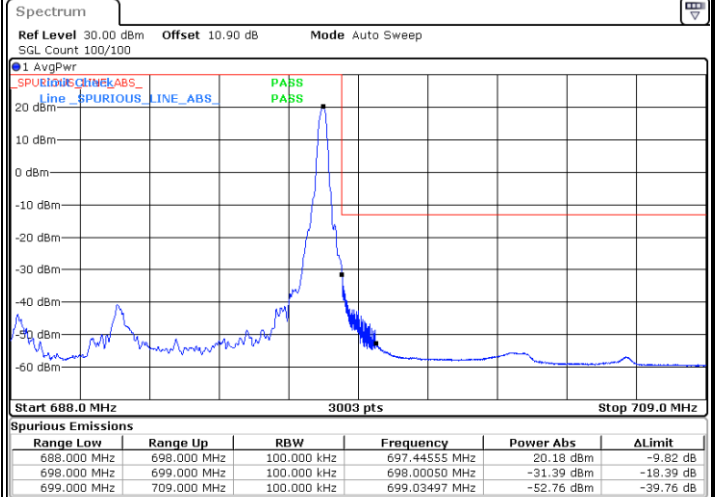
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



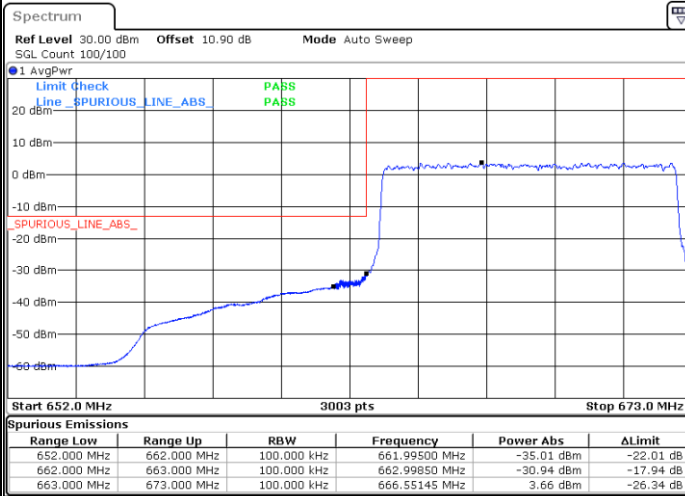
Date: 23.DEC.2021 09:10:31

Highest Band Edge / 1 RB



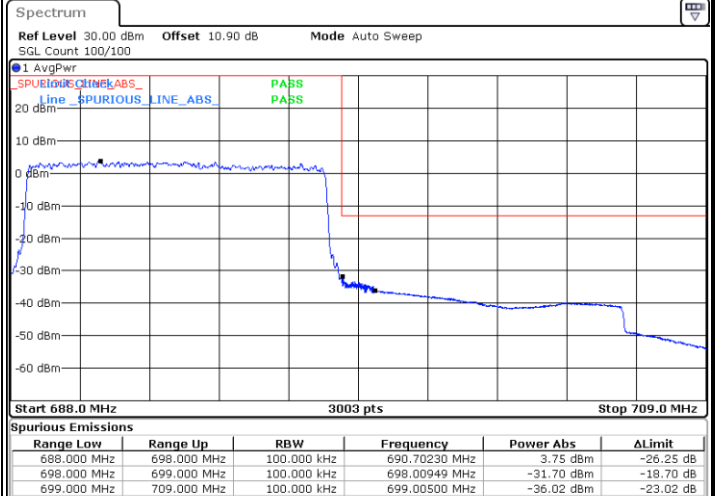
Date: 23.DEC.2021 09:27:41

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:11:56

Highest Band Edge / Full RB

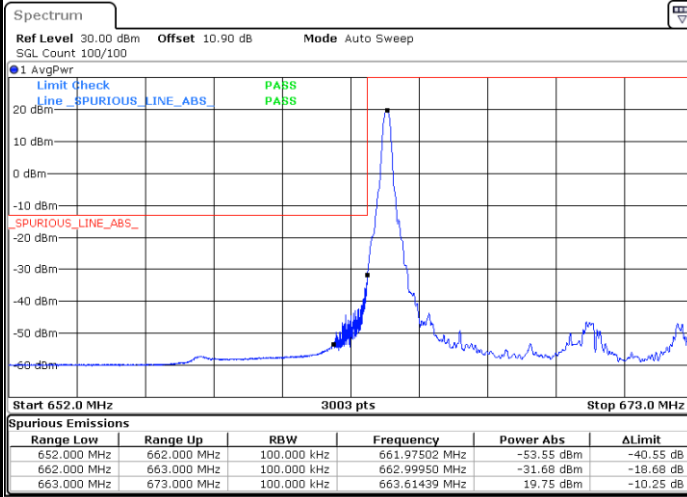


Date: 23.DEC.2021 09:29:09



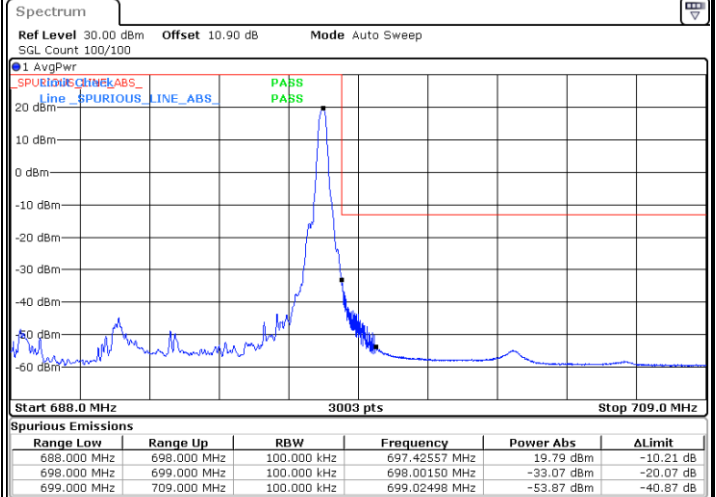
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



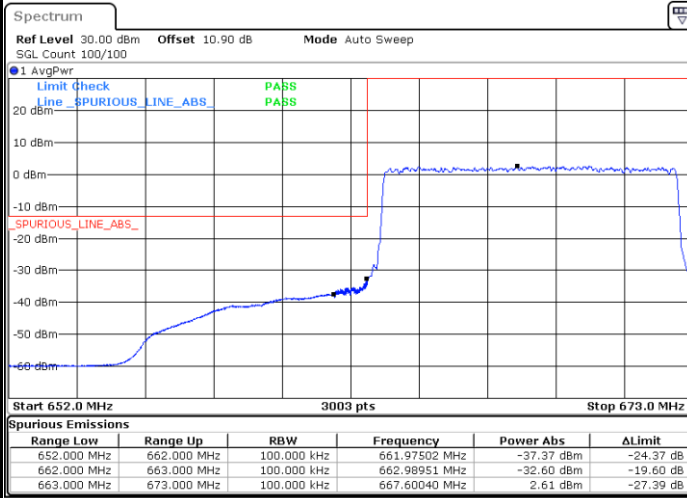
Date: 23.DEC.2021 09:11:13

Highest Band Edge / 1 RB



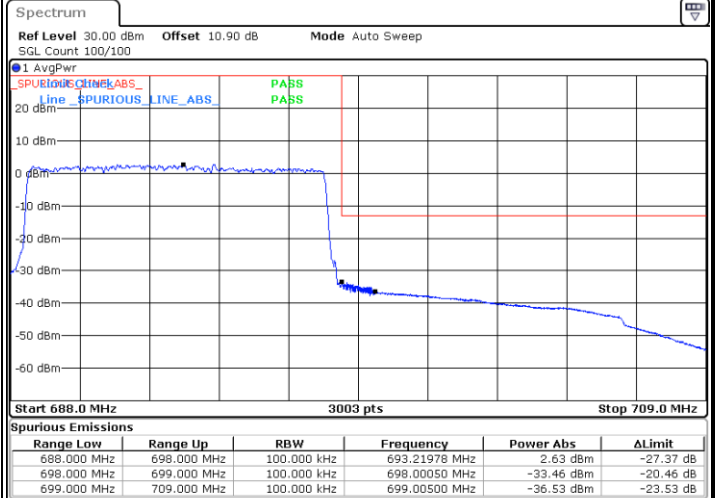
Date: 23.DEC.2021 09:28:25

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:12:39

Highest Band Edge / Full RB

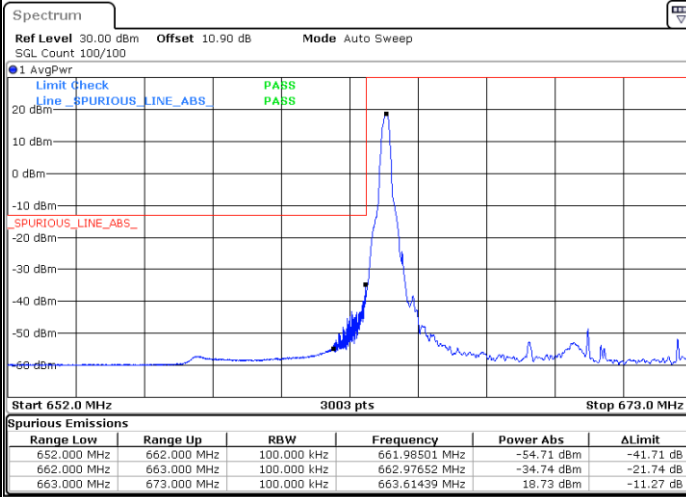


Date: 23.DEC.2021 09:29:52



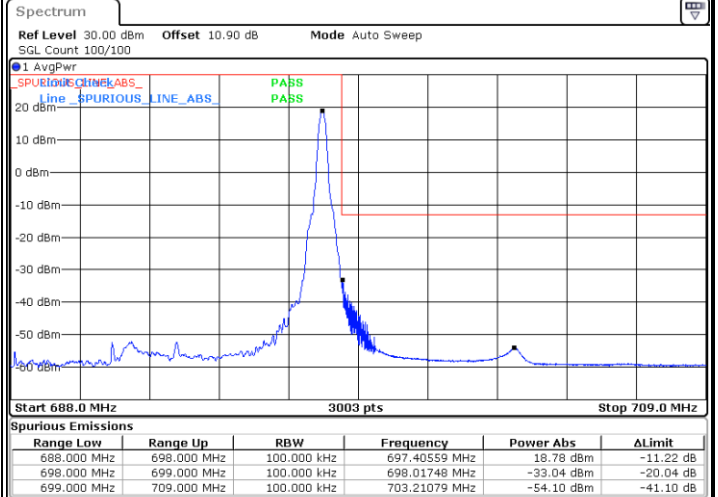
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



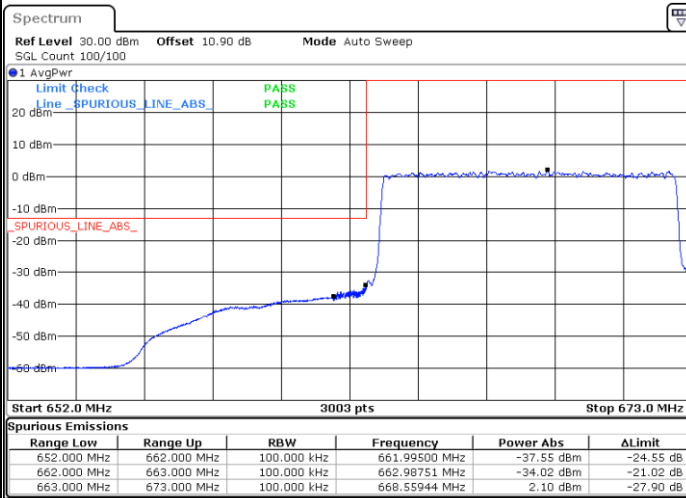
Date: 23.DEC.2021 09:31:10

Highest Band Edge / 1 RB



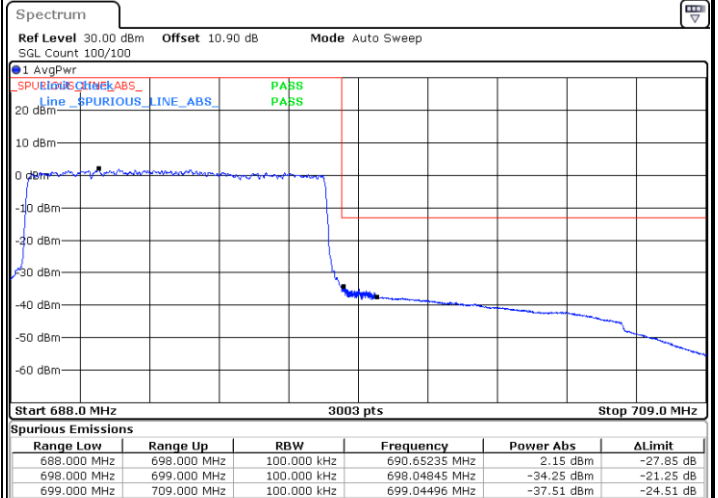
Date: 23.DEC.2021 09:33:18

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:31:53

Highest Band Edge / Full RB

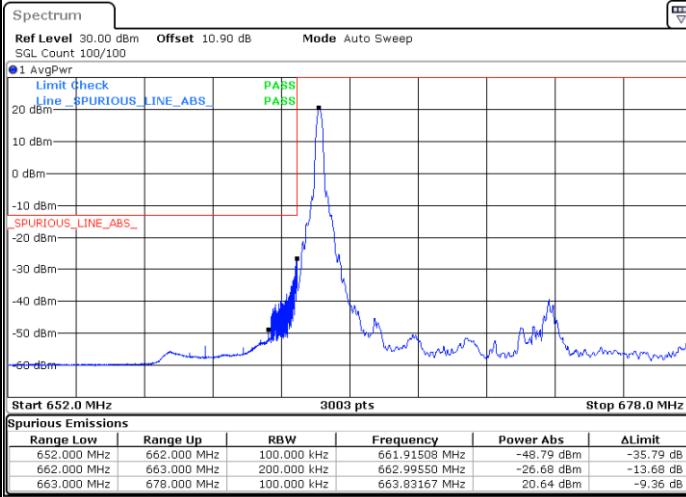


Date: 23.DEC.2021 09:34:02



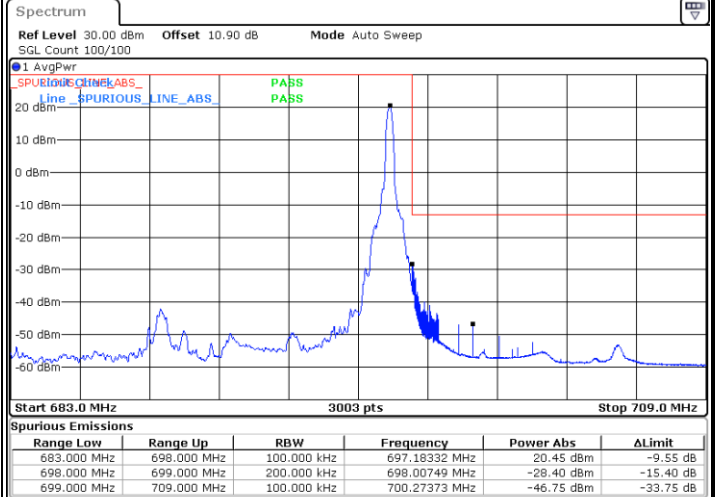
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



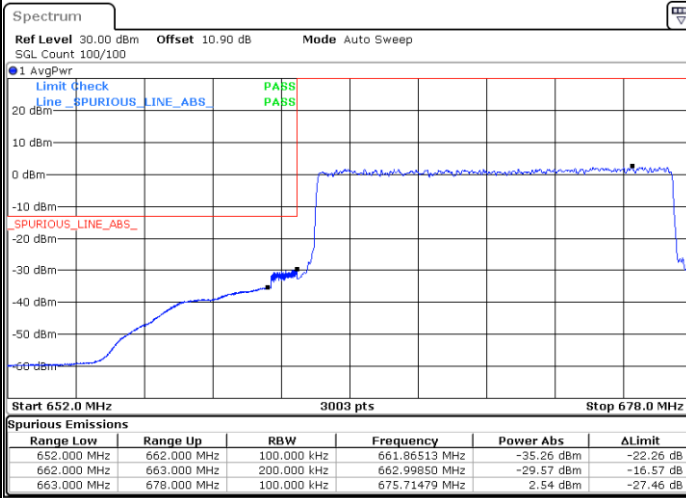
Date: 23.DEC.2021 09:34:46

Highest Band Edge / 1 RB



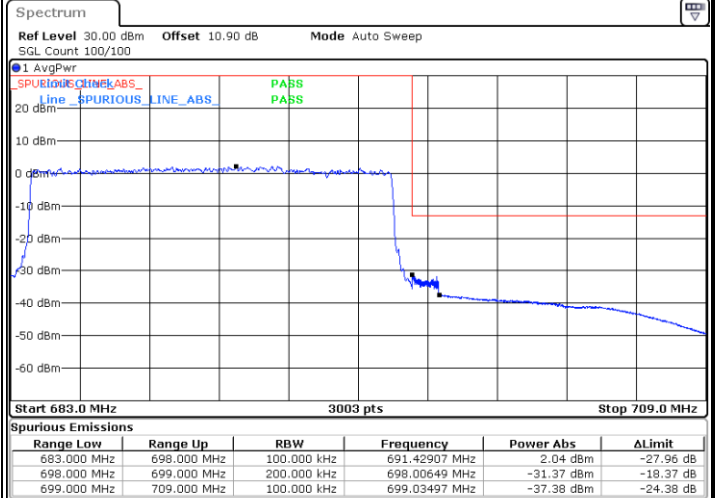
Date: 23.DEC.2021 09:40:11

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:36:12

Highest Band Edge / Full RB

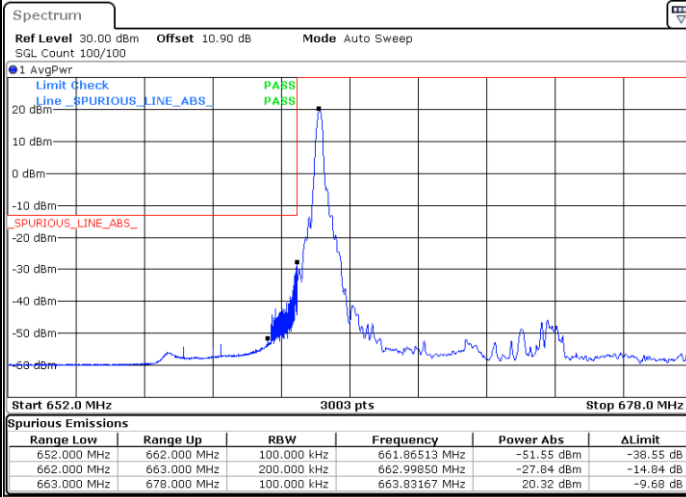


Date: 23.DEC.2021 09:41:40



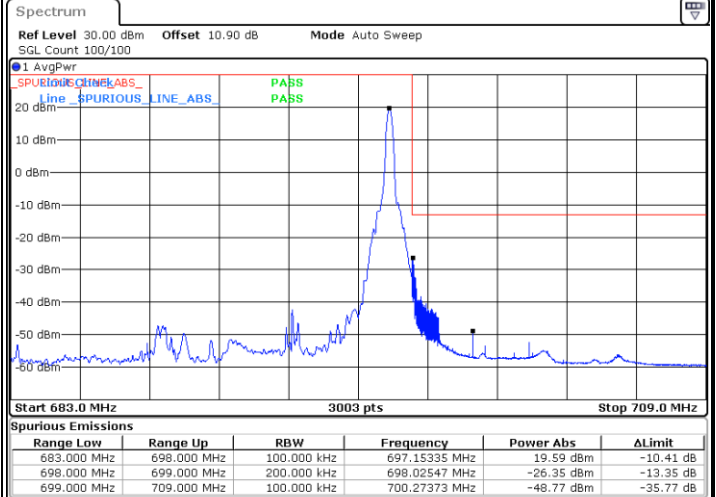
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



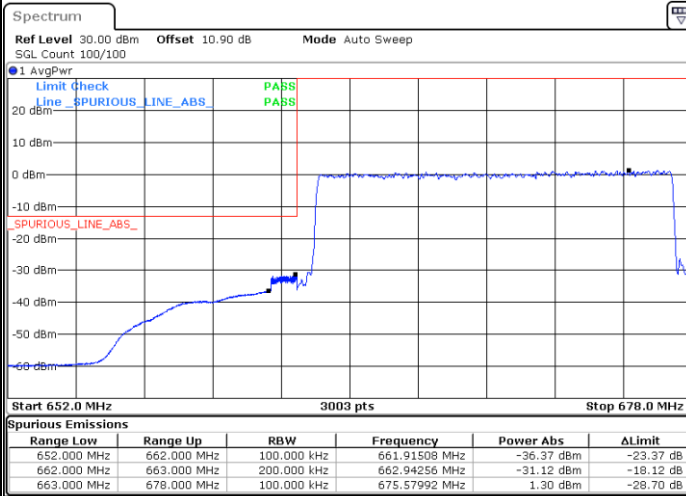
Date: 23.DEC.2021 09:35:29

Highest Band Edge / 1 RB



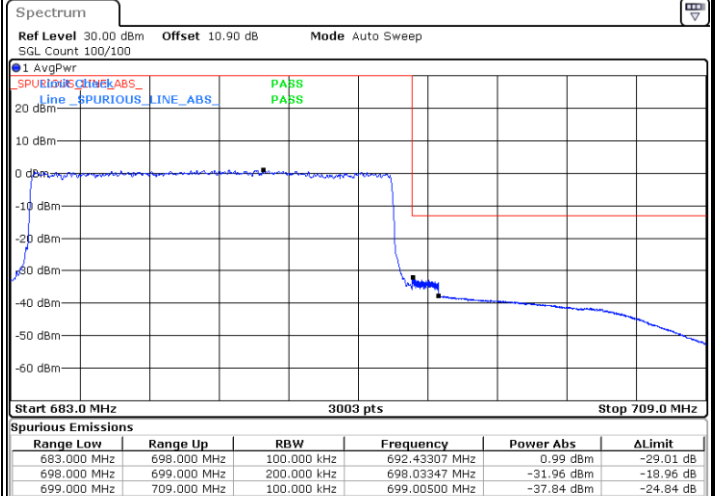
Date: 23.DEC.2021 09:40:55

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:36:55

Highest Band Edge / Full RB

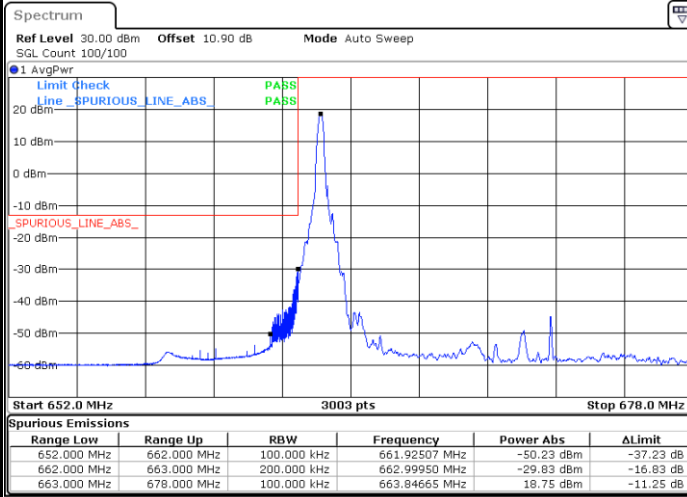


Date: 23.DEC.2021 09:42:24



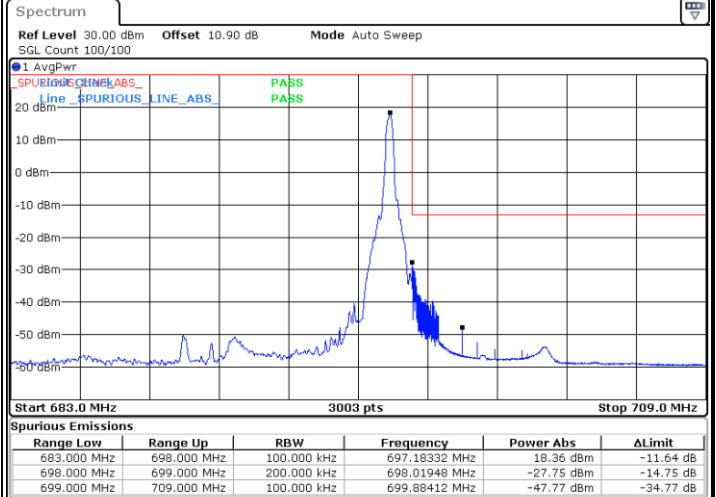
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



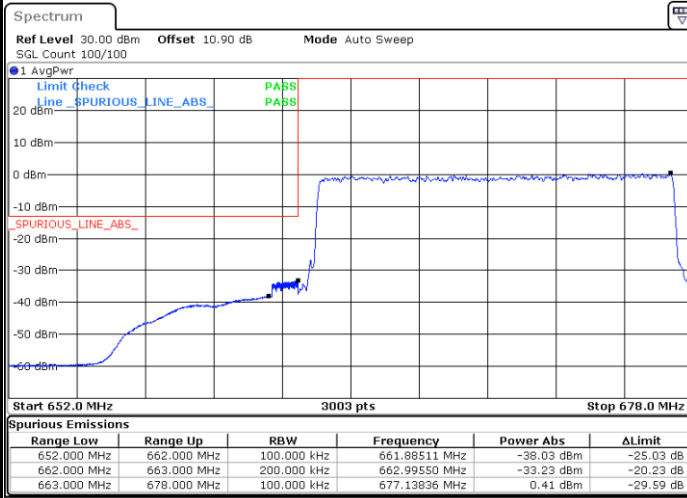
Date: 23.DEC.2021 09:43:42

Highest Band Edge / 1 RB



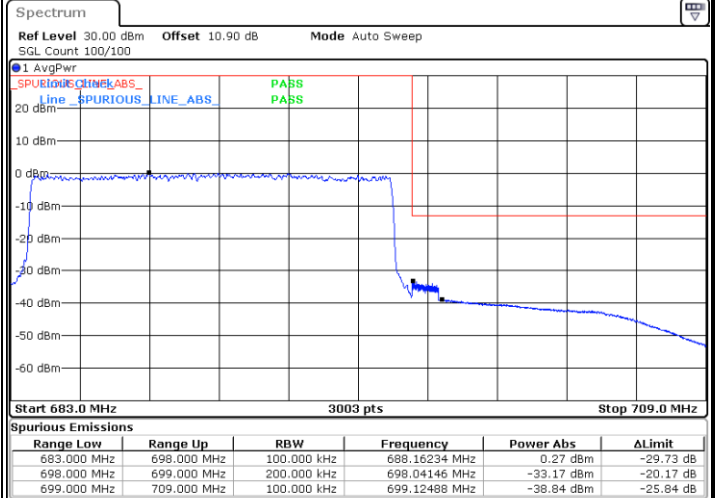
Date: 23.DEC.2021 09:45:50

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:44:24

Highest Band Edge / Full RB

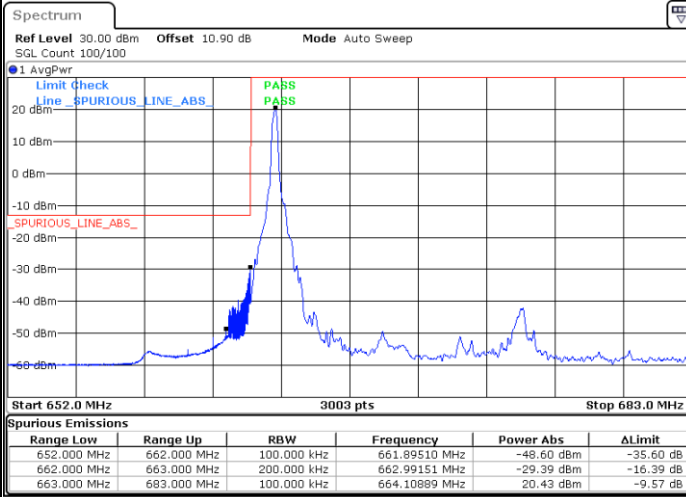


Date: 23.DEC.2021 09:46:34



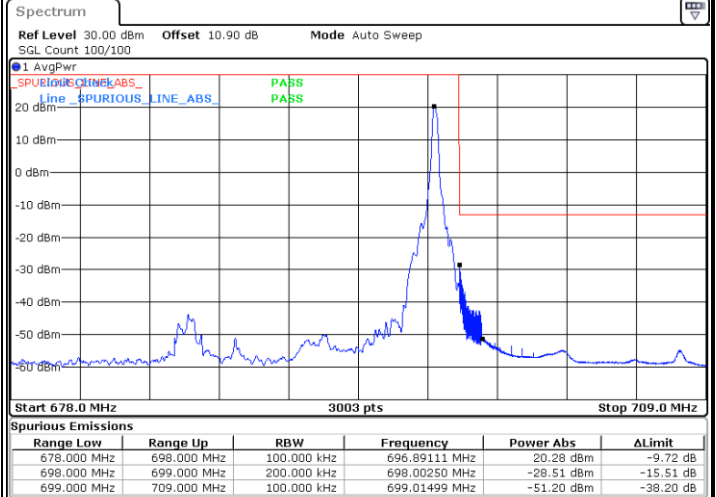
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



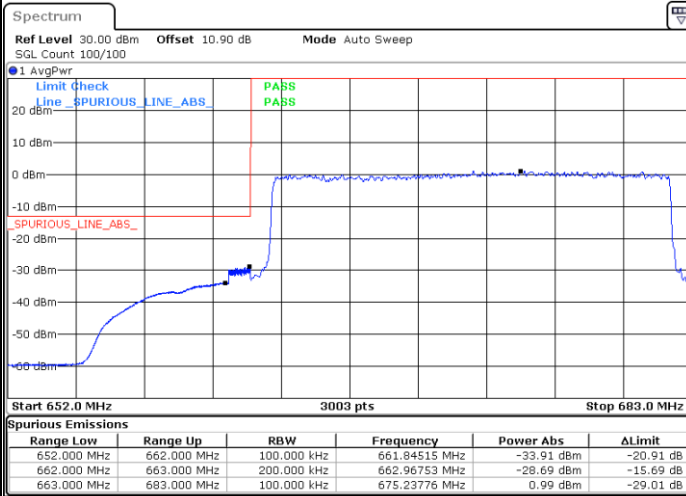
Date: 23.DEC.2021 09:47:18

Highest Band Edge / 1 RB



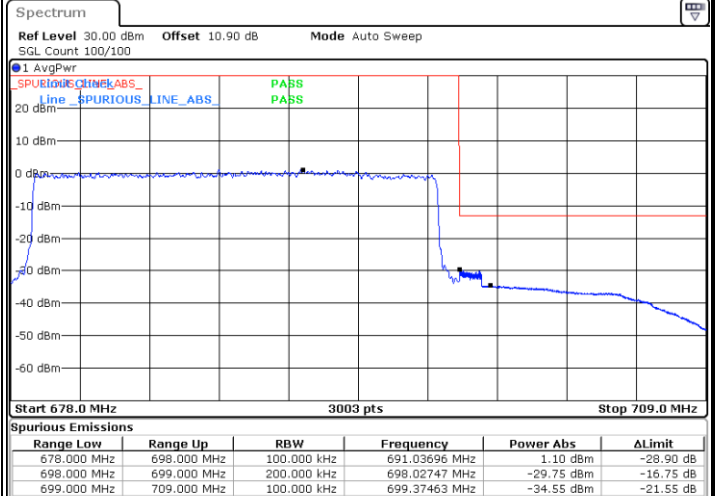
Date: 23.DEC.2021 09:52:43

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:48:44

Highest Band Edge / Full RB

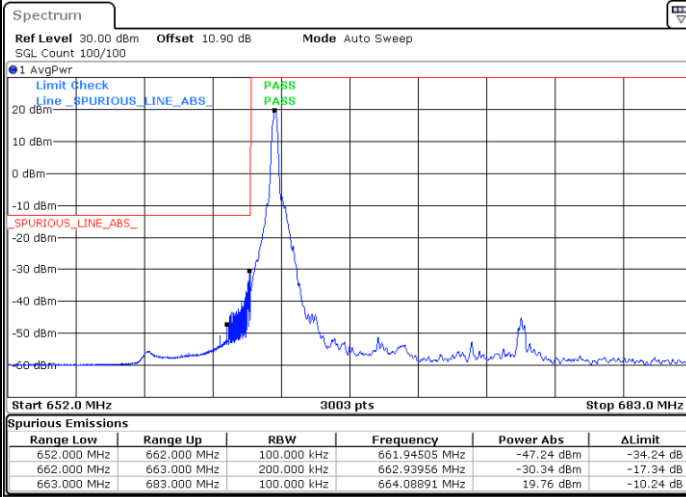


Date: 23.DEC.2021 09:54:56



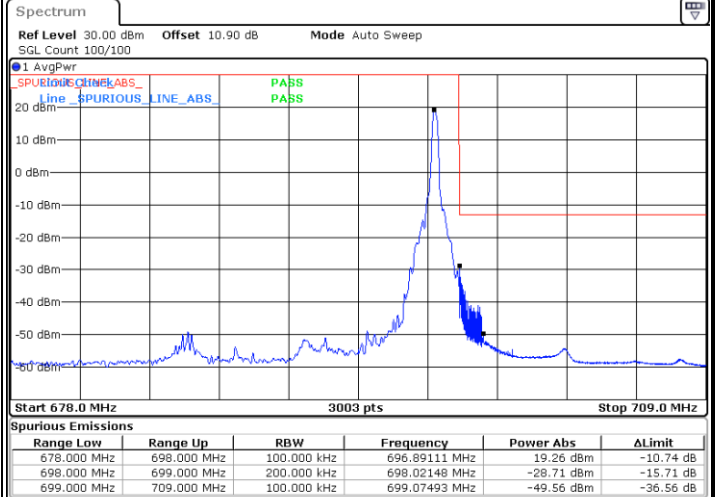
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



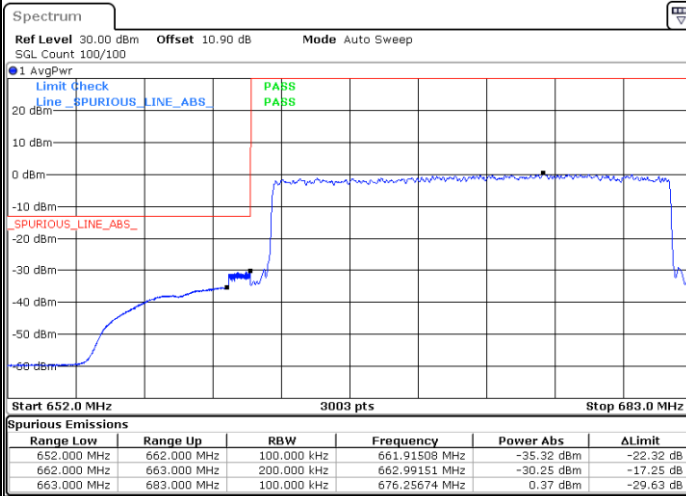
Date: 23.DEC.2021 09:48:00

Highest Band Edge / 1 RB



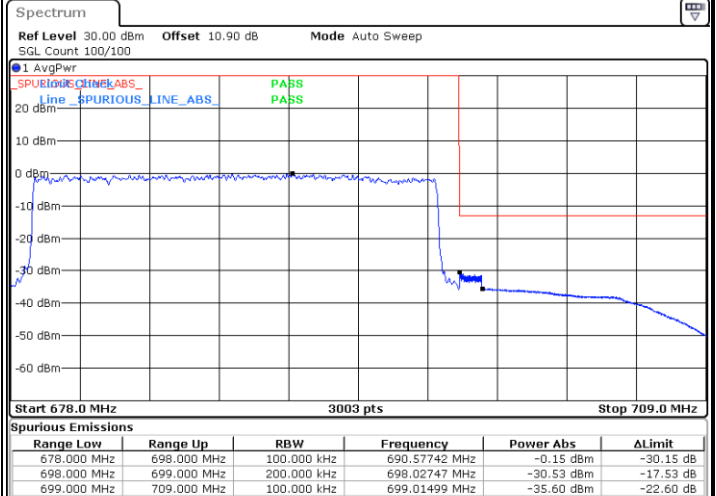
Date: 23.DEC.2021 09:53:27

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:49:27

Highest Band Edge / Full RB

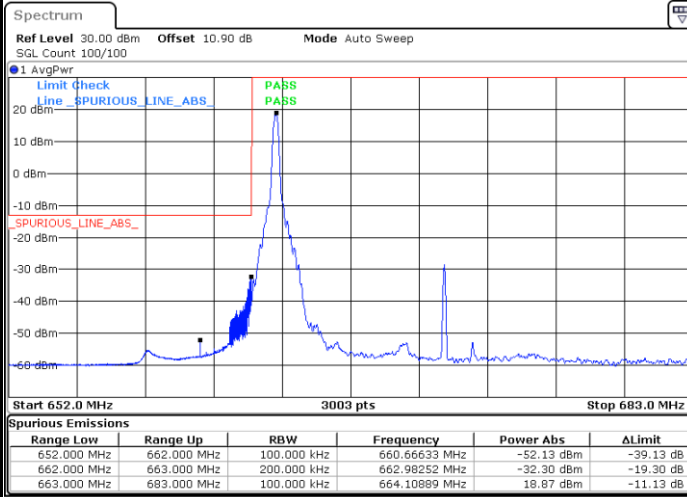


Date: 23.DEC.2021 09:54:12



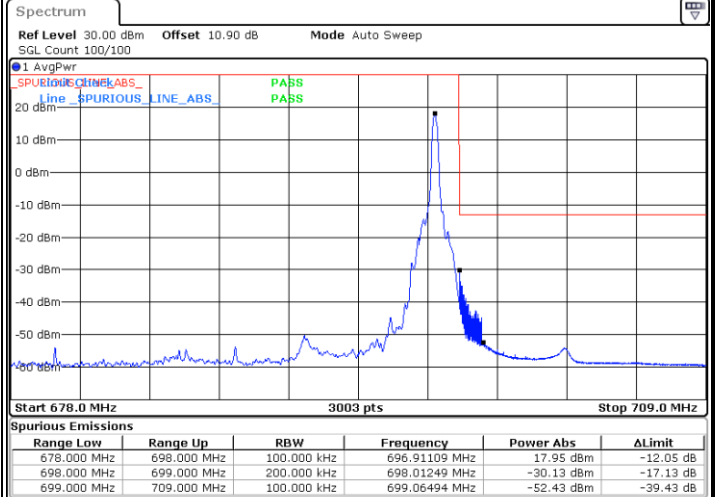
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



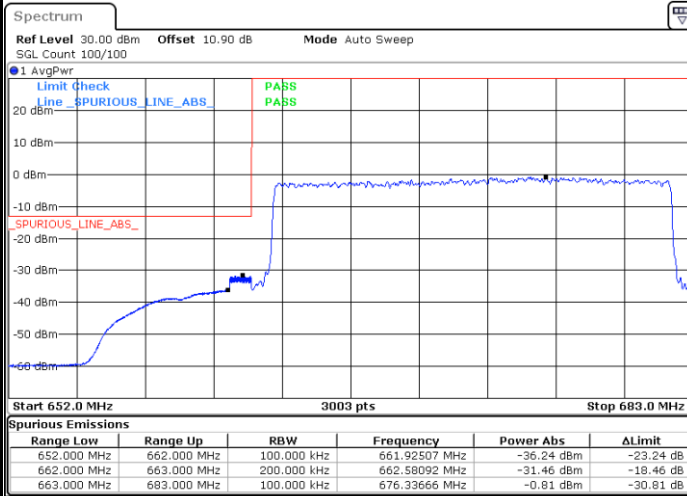
Date: 23.DEC.2021 09:56:14

Highest Band Edge / 1 RB



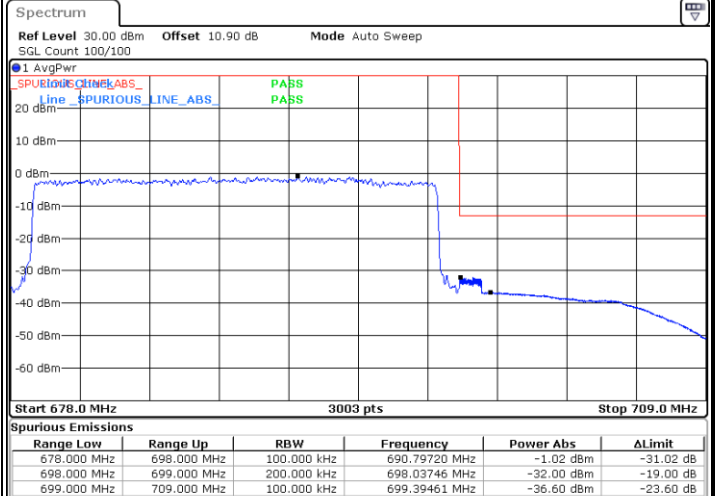
Date: 23.DEC.2021 09:58:22

Lowest Band Edge / Full RB



Date: 23.DEC.2021 09:56:57

Highest Band Edge / Full RB



Date: 23.DEC.2021 09:59:06



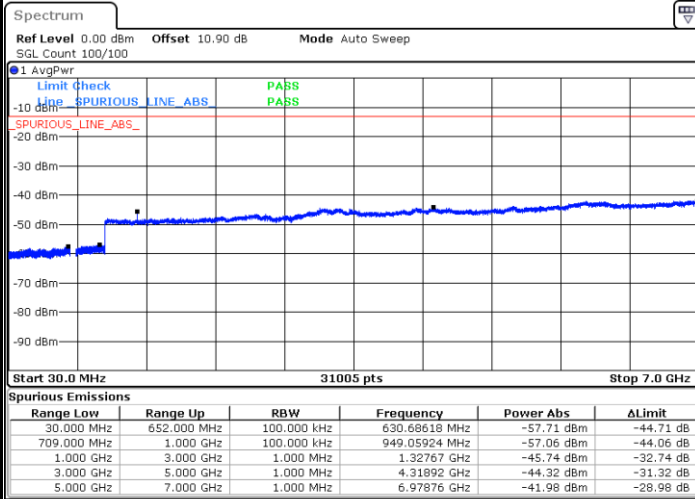
Conducted Spurious Emission





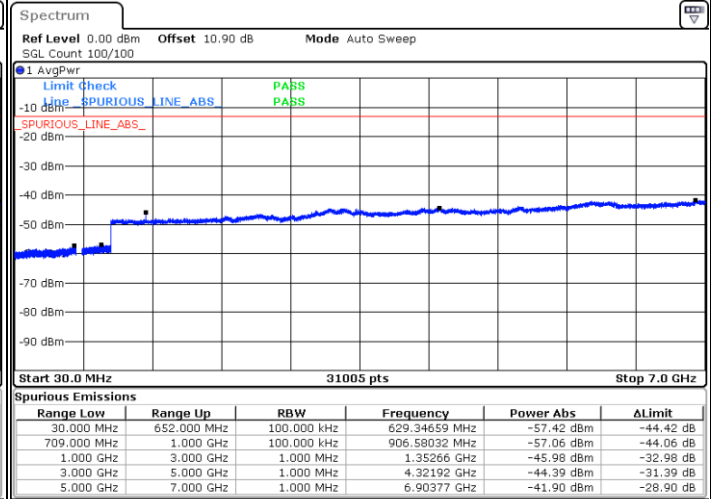
LTE Band 71 / 10MHz

Lowest Channel / QPSK



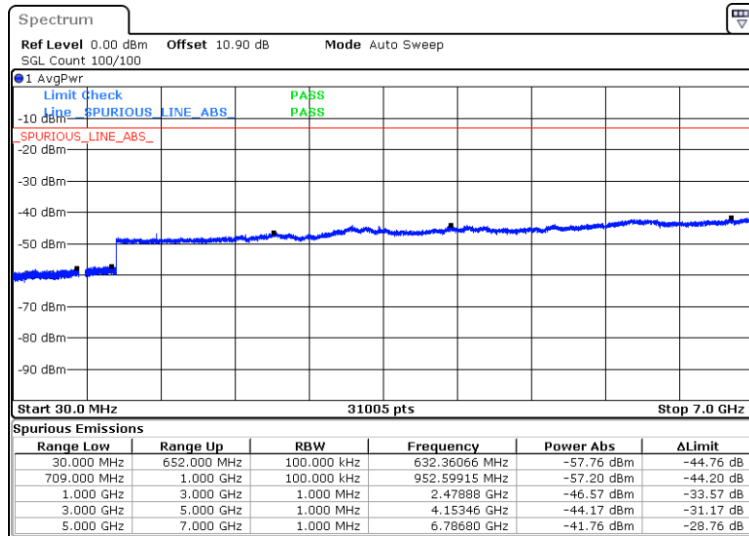
Date: 23.DEC.2021 09:13:13

Middle Channel / QPSK



Date: 23.DEC.2021 09:26:58

Highest Channel / QPSK

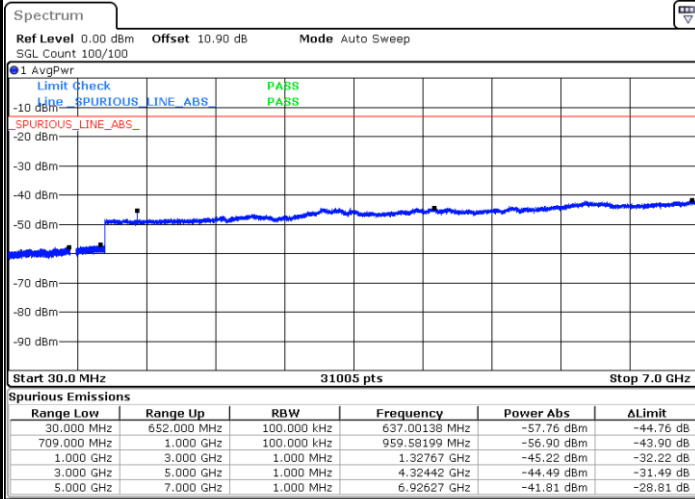


Date: 23.DEC.2021 09:30:27



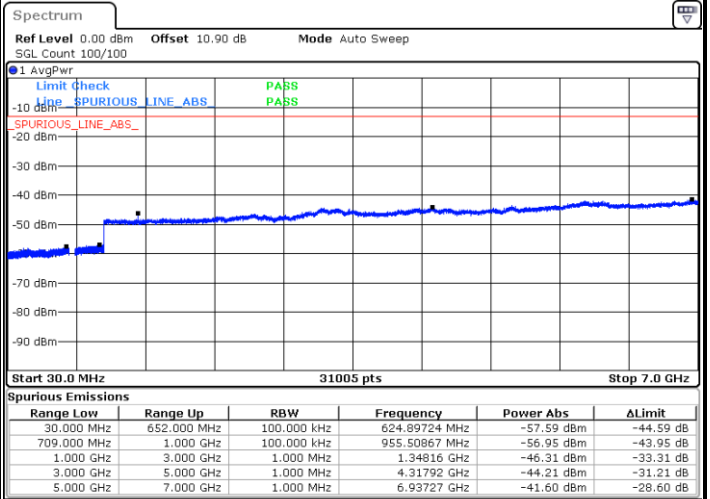
LTE Band 71 / 15MHz

Lowest Channel / QPSK



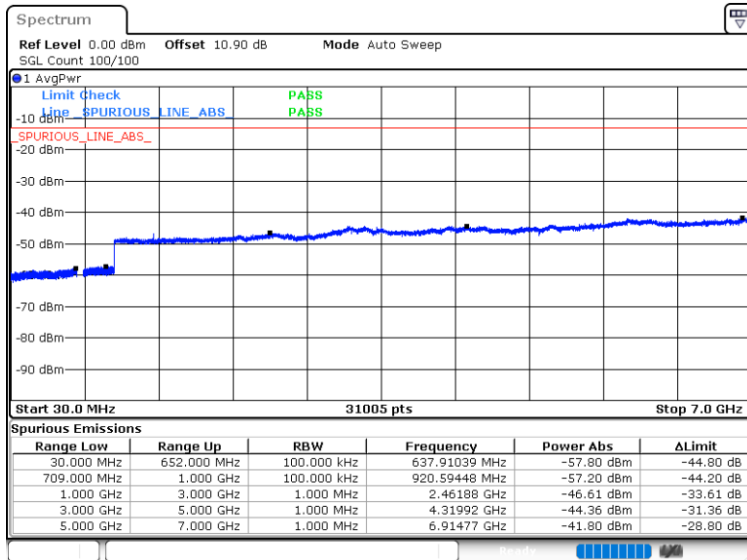
Date: 23.DEC.2021 09:37:30

Middle Channel / QPSK



Date: 23.DEC.2021 09:39:28

Highest Channel / QPSK



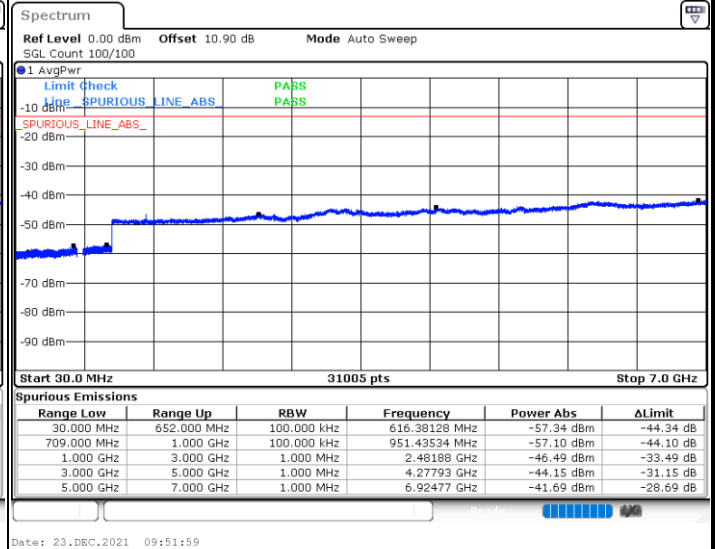
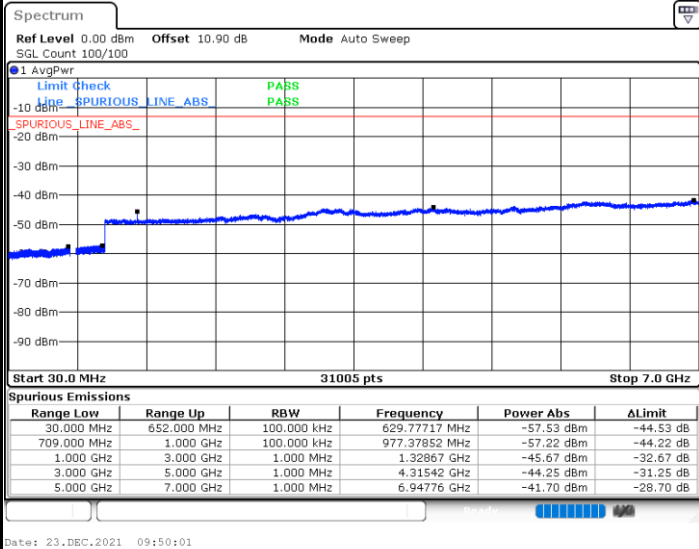
Date: 23.DEC.2021 09:42:59



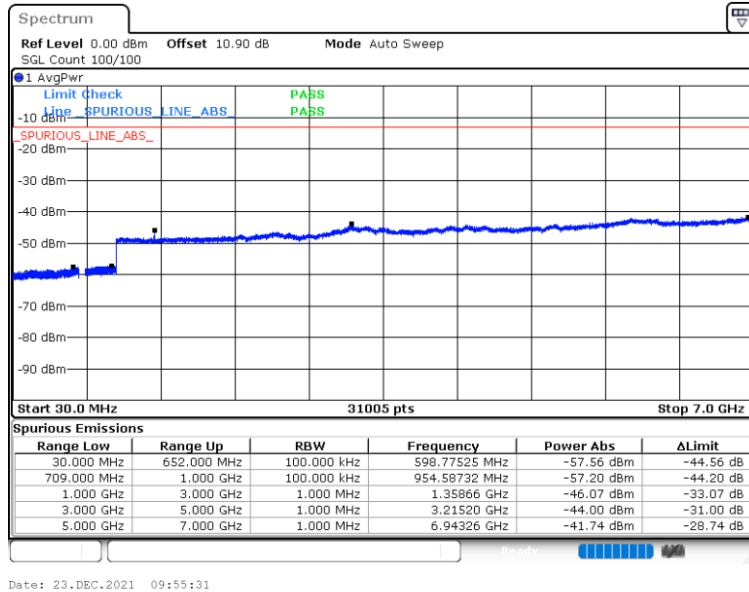
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0154	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0217	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0194	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0118	
-30	Normal Voltage	0.0057	
20	Maximum Voltage	0.0059	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0075	

Note:

- 1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1664	-60.52	-13	-47.52	-70.21	-66.17	0.93	8.72	H
	2496	-56.70	-13	-43.70	-70.65	-64.10	1.15	10.69	H
	3328	-54.77	-13	-41.77	-70.78	-63.38	1.33	12.09	H
									H
									H
									H
									H
	1664	-61.30	-13	-48.30	-70.4	-66.95	0.93	8.72	V
	2496	-56.39	-13	-43.39	-70.55	-63.79	1.15	10.69	V
	3328	-54.46	-13	-41.46	-70.93	-63.07	1.33	12.09	V
									V
									V
									V
									V

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



LTE Band 26

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1648	-58.70	-13	-45.70	-70.33	-65.11	0.81	9.37	H
	2474	-56.43	-13	-43.43	-71.1	-63.57	1.08	10.37	H
	3296	-53.75	-13	-40.75	-71.42	-62.52	1.11	12.03	H
									H
									H
									H
									H
	1648	-58.62	-13	-45.62	-70.17	-65.03	0.81	9.37	V
	2474	-56.14	-13	-43.14	-70.86	-63.28	1.08	10.37	V
	3296	-53.62	-13	-40.62	-71.59	-62.39	1.11	12.03	V
									V
									V
									V
									V
Middle	1656	-59.36	-13	-46.36	-70.99	-65.80	0.81	9.40	H
	2488	-56.42	-13	-43.42	-71.1	-63.61	1.10	10.44	H
	3328	-53.48	-13	-40.48	-71.17	-62.43	1.10	12.20	H
									H
									H
									H
									H
	1656	-59.62	-13	-46.62	-71.18	-66.06	0.81	9.40	V
	2488	-55.17	-13	-42.17	-69.9	-62.36	1.10	10.44	V
	3328	-53.02	-13	-40.02	-71.02	-61.97	1.10	12.20	V
									V
									V
									V
									V



Highest	1672	-54.92	-13	-41.92	-66.58	-61.41	0.81	9.45	H
	2504	-40.22	-13	-27.22	-54.93	-47.48	1.11	10.52	H
	3336	-54.04	-13	-41.04	-71.74	-63.03	1.10	12.25	H
									H
									H
									H
									H
	1672	-59.43	-13	-46.43	-71.05	-65.92	0.81	9.45	V
	2504	-50.95	-13	-37.95	-65.71	-58.21	1.11	10.52	V
	3336	-52.97	-13	-39.97	-70.98	-61.96	1.10	12.25	V
									V
									V
									V
									V
								V	

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



LTE Band 2

LTE Band 2 / 20MHz / 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	3744	-52.79	-13	-39.79	-71.45	-64.01	1.42	12.65	H
	5613	-49.01	-13	-36.01	-71.85	-60.57	1.74	13.30	H
	7482	-46.03	-13	-33.03	-72.67	-55.18	1.98	11.13	H
									H
									H
									H
									H
	3744	-52.63	-13	-39.63	-71.49	-63.85	1.42	12.65	V
	5613	-49.51	-13	-36.51	-72	-61.07	1.74	13.30	V
	7482	-46.00	-13	-33.00	-72.59	-55.15	1.98	11.13	V
									V
									V
									V
									V

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



LTE Band 25

LTE Band 25 / 20MHz / 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	3702	-52.68	-13	-39.68	-71.24	-63.89	1.41	12.62	H
	5553	-49.59	-13	-36.59	-72.48	-61.15	1.74	13.30	H
	7404	-45.32	-13	-32.32	-72.3	-54.64	1.94	11.25	H
									H
									H
									H
									H
	3702	-52.87	-13	-39.87	-71.58	-64.08	1.41	12.62	V
	5553	-50.01	-13	-37.01	-72.44	-61.57	1.74	13.30	V
	7404	-45.04	-13	-32.04	-71.87	-54.36	1.94	11.25	V
									V
									V
									V
									V
Middle	3744	-52.58	-13	-39.58	-71.24	-63.80	1.42	12.65	H
	5616	-49.41	-13	-36.41	-72.25	-60.97	1.74	13.30	H
	7484	-45.82	-13	-32.82	-72.46	-54.96	1.98	11.13	H
									H
									H
									H
									H
	3744	-52.64	-13	-39.64	-71.5	-63.86	1.42	12.65	V
	5616	-49.34	-13	-36.34	-71.83	-60.90	1.74	13.30	V
	7484	-45.68	-13	-32.68	-72.27	-54.82	1.98	11.13	V
									V
									V
									V
									V



Highest	3792	-52.69	-13	-39.69	-71.46	-63.93	1.44	12.68	H
	5688	-48.52	-13	-35.52	-71.7	-60.09	1.73	13.30	H
	7584	-46.45	-13	-33.45	-72.59	-55.57	2.00	11.12	H
									H
									H
									H
									H
	3792	-52.69	-13	-39.69	-71.72	-63.93	1.44	12.68	V
	5688	-49.03	-13	-36.03	-71.68	-60.60	1.73	13.30	V
	7584	-46.53	-13	-33.53	-72.63	-55.65	2.00	11.12	V
									V
									V
									V
									V

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



LTE Band 7

LTE Band 7 / 20MHz / 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	5052	-50.05	-25	-25.05	-71.58	-61.10	1.62	12.67	H
	7578	-46.04	-25	-21.04	-72.21	-55.15	2.00	11.12	H
	10107	-43.85	-25	-18.85	-73.12	-52.67	2.40	11.21	H
									H
									H
									H
									H
	5052	-50.17	-25	-25.17	-71.33	-61.22	1.62	12.67	V
	7578	-46.47	-25	-21.47	-72.6	-55.58	2.00	11.12	V
	10107	-42.75	-25	-17.75	-72.59	-51.57	2.40	11.21	V
									V
									V
									V
									V

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



LTE Band 41 (HPUE)

LTE Band 41 (HPUE) / 20MHz / 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	4994	-49.30	-25	-24.30	-71.93	-60.55	1.35	12.60	H
	7491	-42.44	-25	-17.44	-72.58	-51.74	1.92	11.22	H
	9988	-37.05	-25	-12.05	-72.04	-45.85	2.29	11.09	H
									H
									H
									H
									H
	4994	-48.71	-25	-23.71	-71.79	-59.96	1.35	12.60	V
	7491	-42.49	-25	-17.49	-72.75	-51.79	1.92	11.22	V
	9988	-38.42	-25	-13.42	-72.07	-47.22	2.29	11.09	V
									V
									V
									V
									V
Middle	5168	-49.07	-25	-24.07	-72.03	-60.46	1.29	12.68	H
	7752	-41.85	-25	-16.85	-72.1	-51.64	1.88	11.68	H
	10336	-36.80	-25	-11.80	-72.09	-45.44	2.26	10.90	H
									H
									H
									H
									H
	5168	-48.27	-25	-23.27	-72.14	-59.66	1.29	12.68	V
	7752	-41.69	-25	-16.69	-72.2	-51.48	1.88	11.68	V
	10336	-37.65	-25	-12.65	-72.11	-46.29	2.26	10.90	V
									V
									V
									V
									V



Highest	5342	-48.64	-25	-23.64	-72.78	-60.19	1.57	13.13	H
	8013	-40.43	-25	-15.43	-71.81	-49.68	2.00	11.25	H
	10684	-36.98	-25	-11.98	-72.81	-45.44	2.23	10.69	H
									H
									H
									H
									H
	5342	-44.61	-25	-19.61	-70.22	-56.16	1.57	13.13	V
	8013	-40.23	-25	-15.23	-71.98	-49.48	2.00	11.25	V
	10684	-36.49	-25	-11.49	-71.94	-44.95	2.23	10.69	V
									V
									V
									V
									V

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



LTE Band 4

LTE Band 4 / 20MHz / 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	3448	-54.07	-13	-41.07	-71.18	-65.09	1.35	12.38	H
	5170	-49.99	-13	-36.99	-71.58	-61.17	1.65	12.84	H
	6892	-46.83	-13	-33.83	-72.5	-57.15	1.74	12.05	H
									H
									H
									H
									H
	3448	-53.69	-13	-40.69	-71.19	-64.71	1.35	12.38	V
	5170	-50.72	-13	-37.72	-72.1	-61.90	1.65	12.84	V
	6892	-47.34	-13	-34.34	-72.58	-57.66	1.74	12.05	V
									V
									V
									V
									V

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



LTE Band 66

LTE Band 66 / 20MHz / 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	3420	-54.69	-13	-41.69	-71.5	-65.65	1.35	12.31	H
	5135	-49.93	-13	-36.93	-71.5	-61.07	1.65	12.79	H
	6843	-47.44	-13	-34.44	-72.86	-57.82	1.74	12.12	H
									H
									H
									H
									H
	3420	-54.63	-13	-41.63	-71.86	-65.59	1.35	12.31	V
	5135	-50.18	-13	-37.18	-71.5	-61.32	1.65	12.79	V
	6843	-47.61	-13	-34.61	-72.63	-57.99	1.74	12.12	V
									V
									V
									V
									V
Middle	3469	-54.13	-13	-41.13	-71.44	-65.20	1.35	12.43	H
	5208	-50.04	-13	-37.04	-71.68	-61.27	1.66	12.89	H
	6941	-46.34	-13	-33.34	-72.26	-56.59	1.73	11.98	H
									H
									H
									H
									H
	3469	-53.94	-13	-40.94	-71.63	-65.01	1.35	12.43	V
	5208	-50.17	-13	-37.17	-71.64	-61.40	1.66	12.89	V
	6941	-47.06	-13	-34.06	-72.52	-57.31	1.73	11.98	V
									V
									V
									V
									V



Highest	3525	-53.65	-13	-40.65	-71.46	-64.80	1.37	12.52	H
	5282	-50.67	-13	-37.67	-72.59	-61.98	1.68	12.99	H
	7046	-45.82	-13	-32.82	-72.21	-55.90	1.74	11.83	H
									H
									H
									H
									H
	3525	-53.42	-13	-40.42	-71.51	-64.57	1.37	12.52	V
	5282	-50.72	-13	-37.72	-72.38	-62.03	1.68	12.99	V
	7046	-46.16	-13	-33.16	-72.1	-56.24	1.74	11.83	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1560	-60.37	-42.15	-18.22	-70.23	-65.66	0.89	8.33	H
	2344	-55.98	-13	-42.98	-70.26	-63.20	1.12	10.48	H
	3128	-54.75	-13	-41.75	-70.80	-62.91	1.29	11.61	H
									H
									H
									H
									H
	1560	-60.90	-42.15	-18.75	-70.12	-66.19	0.89	8.33	V
	2344	-56.44	-13	-43.44	-70.35	-63.66	1.12	10.48	V
	3128	-54.39	-13	-41.39	-70.82	-62.55	1.29	11.61	V
									V
									V
									V
									V
Middle	1560	-60.05	-42.15	-17.90	-69.91	-65.34	0.89	8.33	H
	2336	-55.99	-13	-42.99	-70.33	-63.20	1.11	10.47	H
	3120	-53.84	-13	-40.84	-69.87	-61.99	1.29	11.59	H
									H
									H
									H
									H
	1560	-61.17	-42.15	-19.02	-70.39	-66.46	0.89	8.33	V
	2336	-56.83	-13	-43.83	-70.74	-64.04	1.11	10.47	V
	3120	-53.87	-13	-40.87	-70.26	-62.02	1.29	11.59	V
									V
									V
									V
									V
								V	



Highest	1568	-60.49	-42.15	-18.34	-70.29	-65.81	0.89	8.36	H
	2344	-56.10	-13	-43.10	-70.38	-63.32	1.12	10.48	H
	3128	-54.51	-13	-41.51	-70.56	-62.67	1.29	11.61	H
									H
									H
									H
									H
	1568	-60.84	-42.15	-18.69	-70.05	-66.16	0.89	8.36	V
	2344	-56.21	-13	-43.21	-70.12	-63.43	1.12	10.48	V
	3128	-54.21	-13	-41.21	-70.64	-62.37	1.29	11.61	V
									V
									V
									V
									V

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



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1552	-59.93	-13	-46.93	-69.86	-65.19	0.89	8.30	H
	2336	-56.07	-13	-43.07	-70.41	-63.28	1.11	10.47	H
	3112	-54.53	-13	-41.53	-70.55	-62.66	1.29	11.57	H
									H
									H
									H
									H
	1552	-60.88	-13	-47.88	-70.1	-66.14	0.89	8.30	V
	2336	-56.41	-13	-43.41	-70.32	-63.62	1.11	10.47	V
	3112	-53.80	-13	-40.80	-70.16	-61.93	1.29	11.57	V
									V
									V
									V
									V

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



LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1400	-58.49	-13.00	-45.49	-69.42	-63.14	0.84	7.64	H
	2098	-39.55	-13.00	-26.55	-53.07	-46.48	1.06	10.14	H
	2800	-55.81	-13.00	-42.81	-70.63	-63.50	1.22	11.06	H
									H
									H
									H
									H
	1400	-60.00	-13.00	-47.00	-69.70	-64.65	0.84	7.64	V
	2098	-45.66	-13.00	-32.66	-58.09	-52.59	1.06	10.14	V
	2800	-56.10	-13.00	-43.10	-70.86	-63.79	1.22	11.06	V
									V
									V
									V
									V
Middle	1406	-56.97	-13.00	-43.97	-67.86	-61.64	0.85	7.67	H
	2109	-38.88	-13.00	-25.88	-52.57	-45.82	1.06	10.15	H
	2812	-55.32	-13.00	-42.32	-70.19	-63.02	1.22	11.07	H
									H
									H
									H
									H
	1406	-59.81	-13.00	-46.81	-69.48	-64.48	0.85	7.67	V
	2109	-46.37	-13.00	-33.37	-58.95	-53.31	1.06	10.15	V
	2812	-55.58	-13.00	-42.58	-70.40	-63.28	1.22	11.07	V
									V
									V
									V
									V
								V	



Highest	1416	-59.53	-13.00	-46.53	-70.37	-64.25	0.85	7.71	H
	2119	-41.39	-13.00	-28.39	-55.26	-48.34	1.07	10.17	H
	2824	-55.59	-13.00	-42.59	-70.52	-63.30	1.23	11.09	H
									H
									H
									H
									H
	1416	-60.48	-13.00	-47.48	-70.11	-65.20	0.85	7.71	V
	2119	-47.99	-13.00	-34.99	-60.72	-54.94	1.07	10.17	V
	2824	-55.75	-13.00	-42.75	-70.65	-63.46	1.23	11.09	V
									V
									V
									V
									V

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



LTE Band 17

LTE Band 17 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1408	-59.03	-13	-46.03	-69.91	-63.71	0.85	7.68	H
	2120	-41.20	-13	-28.20	-55.01	-48.15	1.07	10.17	H
	2824	-55.70	-13	-42.70	-70.63	-63.41	1.23	11.09	H
									H
									H
									H
									H
	1408	-60.22	-13	-47.22	-69.88	-64.90	0.85	7.68	V
	2116	-46.68	-13	-33.68	-59.37	-53.63	1.07	10.16	V
	2824	-55.80	-13	-42.80	-70.70	-63.51	1.23	11.09	V
									V
									V
									V
									V

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



LTE Band 71

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1328	-58.77	-13	-45.77	-69.4	-65.25	0.83	7.31	H
	1992	-45.29	-13	-32.29	-57.11	-54.22	1.04	9.97	H
	2656	-56.22	-13	-43.22	-70.44	-65.92	1.19	10.89	H
									H
									H
									H
									H
	1328	-59.18	-13	-46.18	-68.97	-65.66	0.83	7.31	V
	1992	-51.01	-13	-38.01	-61.86	-59.94	1.04	9.97	V
	2656	-56.44	-13	-43.44	-70.63	-66.14	1.19	10.89	V
									V
									V
									V
									V
Middle	1352	-58.56	-13	-45.56	-69.28	-65.15	0.83	7.42	H
	2024	-45.87	-13	-32.87	-58.17	-54.86	1.05	10.03	H
	2696	-55.68	-13	-42.68	-70.06	-65.42	1.20	10.94	H
									H
									H
									H
									H
	1352	-59.77	-13	-46.77	-69.53	-66.36	0.83	7.42	V
	2024	-53.89	-13	-40.89	-65.19	-62.88	1.05	10.03	V
	2696	-56.26	-13	-43.26	-70.59	-66.00	1.20	10.94	V
									V
									V
									V
									V



Highest	1360	-58.76	-13	-45.76	-69.52	-65.38	0.83	7.46	H
	2040	-42.84	-13	-29.84	-55.4	-51.85	1.05	10.06	H
	2712	-56.35	-13	-43.35	-70.8	-66.10	1.20	10.95	H
									H
									H
									H
									H
	1360	-59.73	-13	-46.73	-69.48	-66.35	0.83	7.46	V
	2040	-52.51	-13	-39.51	-64.04	-61.52	1.05	10.06	V
	2712	-56.67	-13	-43.67	-71.07	-66.42	1.20	10.95	V
									V
									V
									V
									V

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