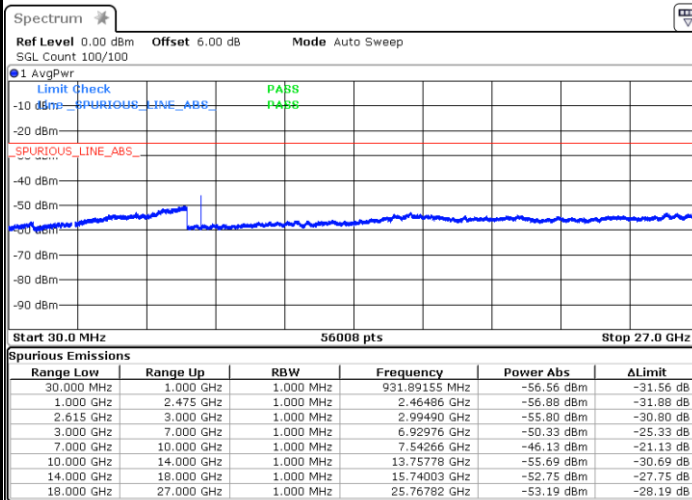




Conducted Spurious Emission

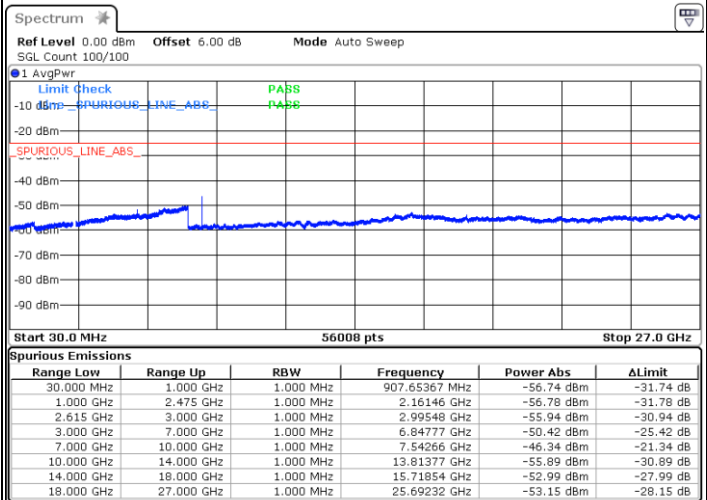
LTE Band 7 / 15MHz+15MHz

Lowest Channel / QPSK



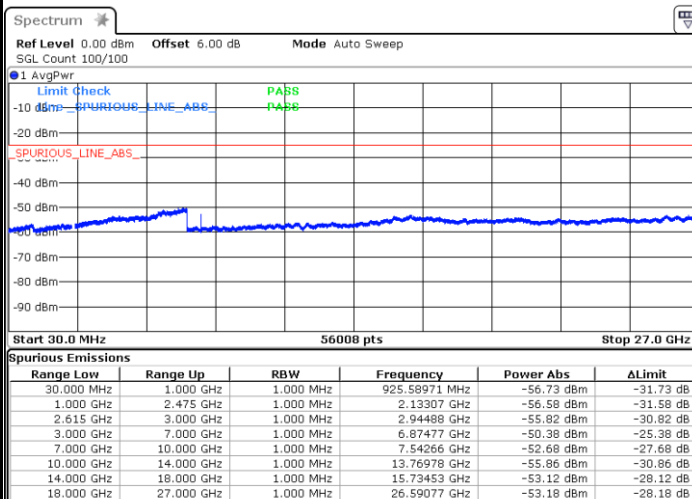
Date: 21 APR 2020 03:50:40

Lowest Channel / 16QAM



Date: 21 APR 2020 03:48:51

Lowest Channel / 64QAM

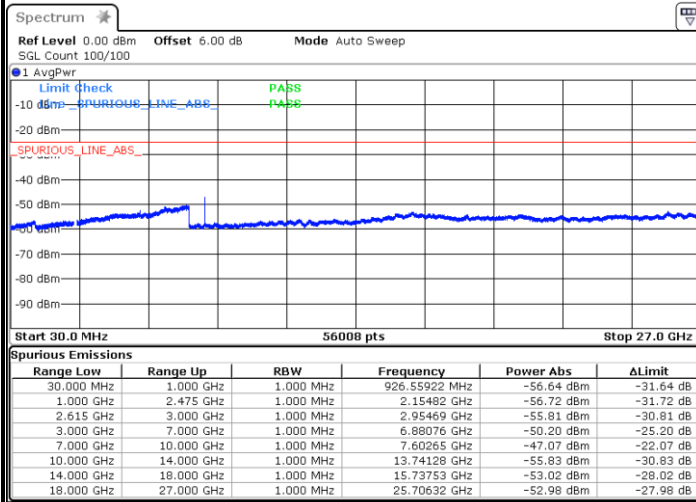


Date: 21 APR 2020 03:45:33



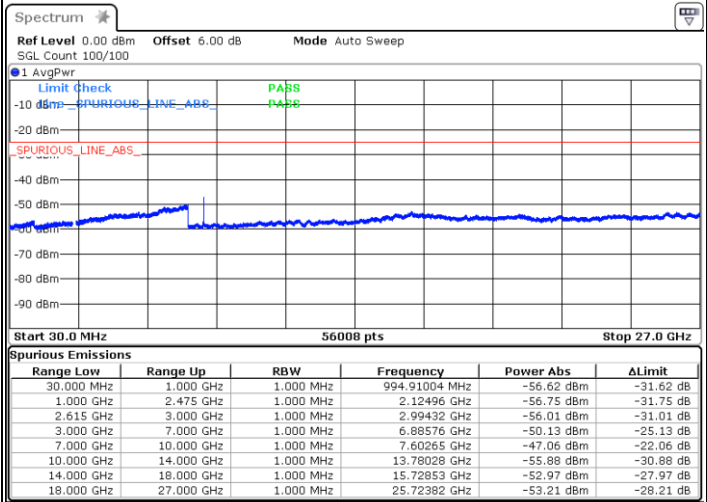
LTE Band 7 / 15MHz+15MHz

Middle Channel / QPSK



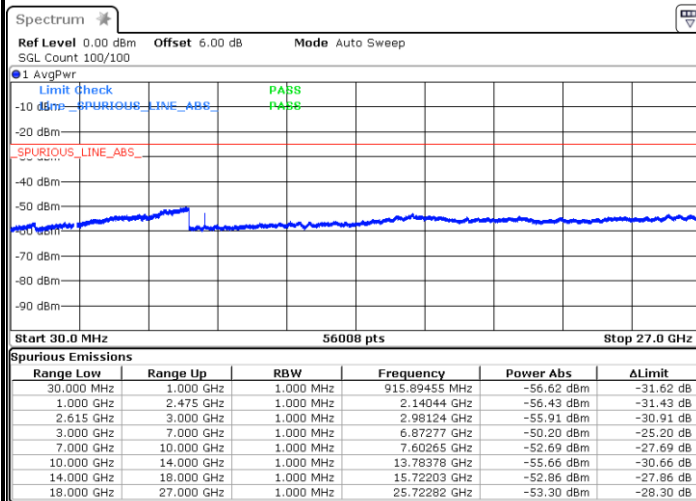
Date: 21 APR 2020 03:58:22

Middle Channel / 16QAM



Date: 21 APR 2020 03:56:49

Middle Channel / 64QAM

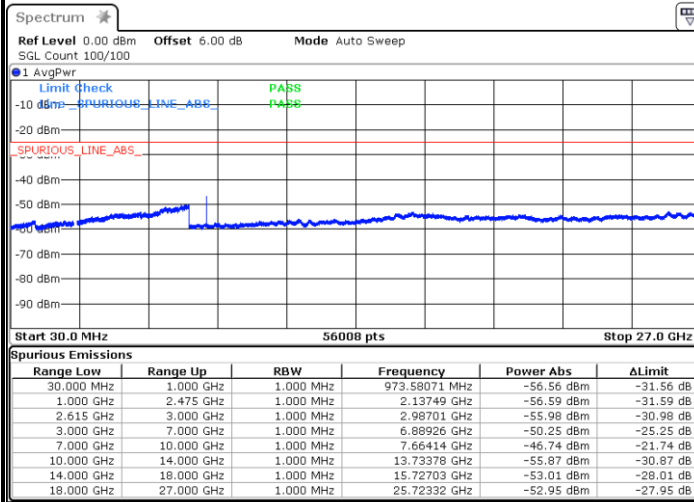


Date: 21 APR 2020 03:55:25



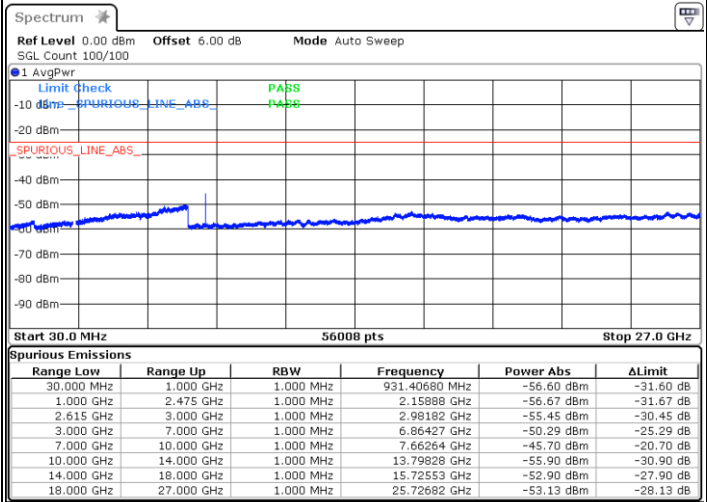
LTE Band 7 / 15MHz+15MHz

Highest Channel / QPSK



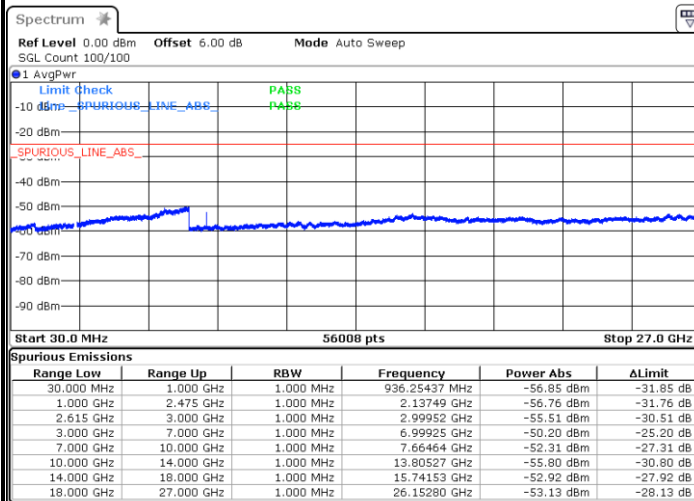
Date: 21 APR 2020 04:06:36

Highest Channel / 16QAM



Date: 21 APR 2020 04:09:53

Highest Channel / 64QAM

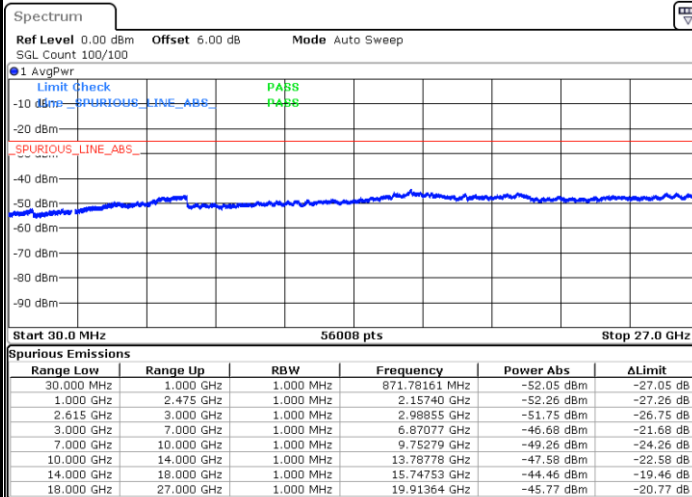


Date: 21 APR 2020 04:15:23



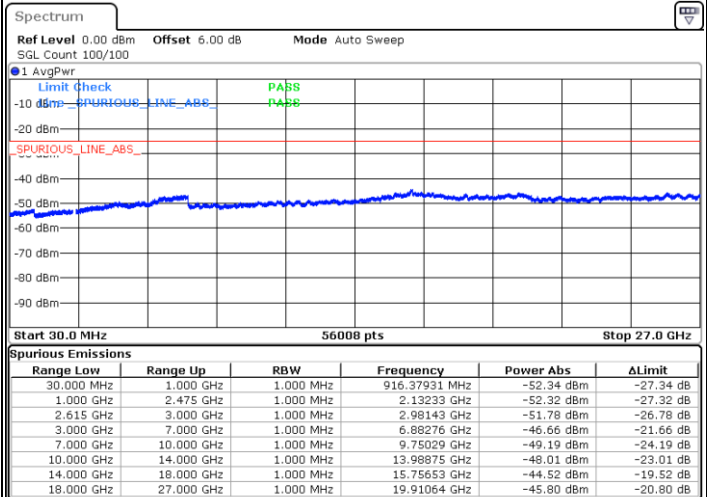
LTE Band 7 / 20MHz+20MHz

Lowest Channel / QPSK



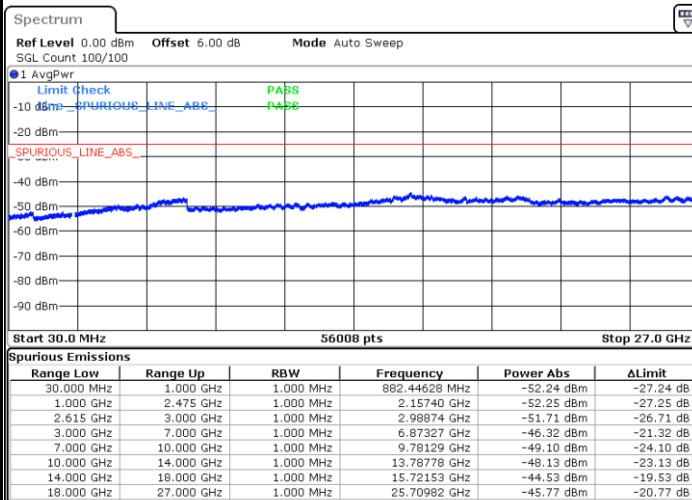
Date: 21 APR 2020 05:47:28

Lowest Channel / 16QAM



Date: 21 APR 2020 05:46:08

Lowest Channel / 64QAM

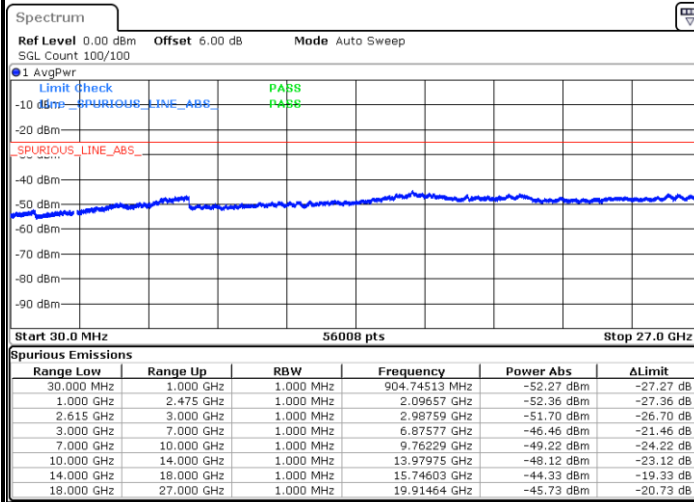


Date: 21 APR 2020 05:44:55



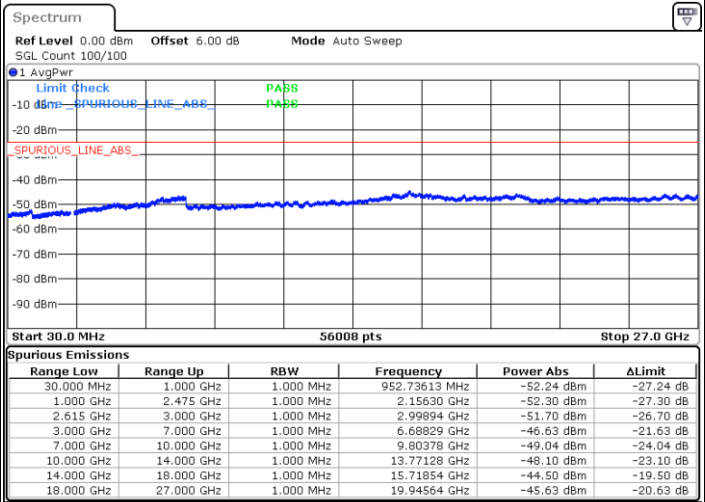
LTE Band 7 / 20MHz+20MHz

Middle Channel / QPSK



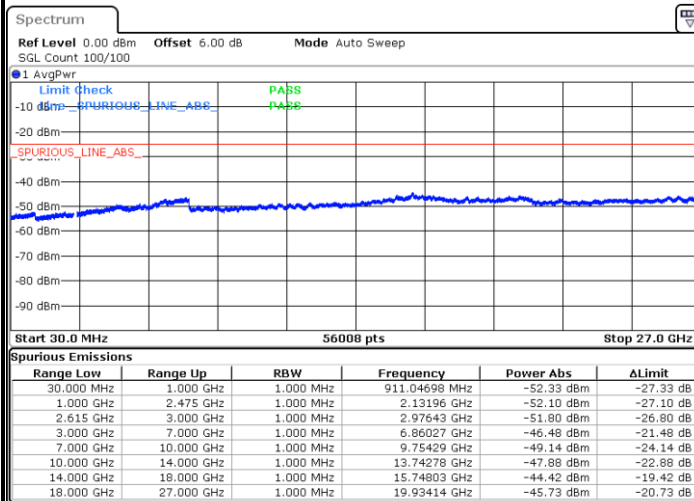
Date: 21 APR 2020 05:49:14

Middle Channel / 16QAM



Date: 21 APR 2020 05:50:14

Middle Channel / 64QAM

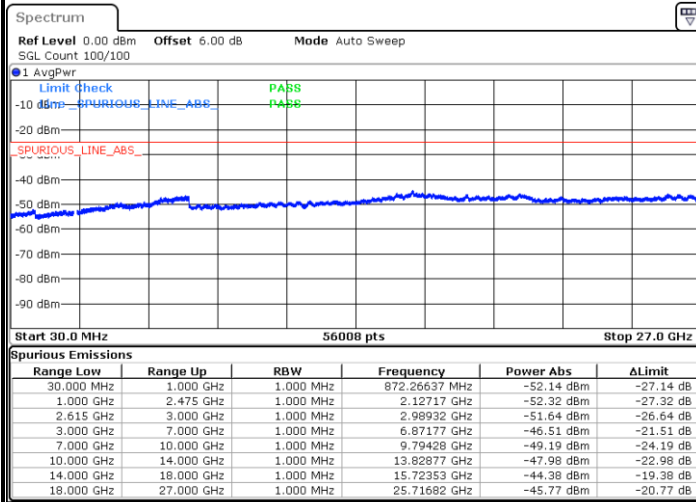


Date: 21 APR 2020 05:51:18



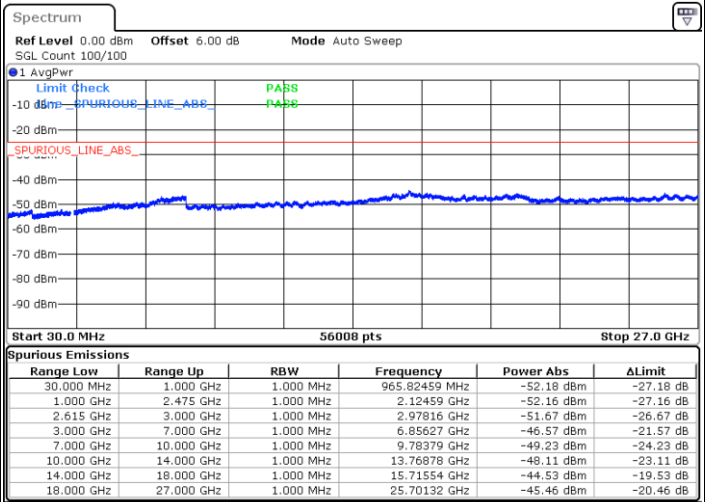
LTE Band 7 / 20MHz+20MHz

Highest Channel / QPSK



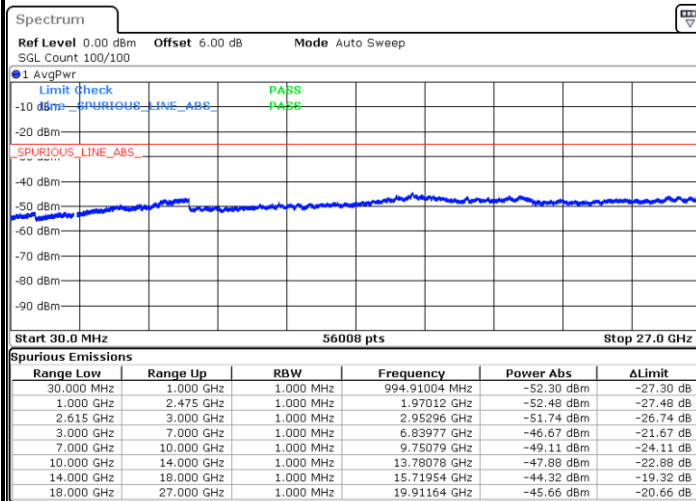
Date: 21 APR 2020 05:59:22

Highest Channel / 16QAM



Date: 21 APR 2020 06:00:40

Highest Channel / 64QAM



Date: 21 APR 2020 06:01:57



LTE Band 38C

26dB Bandwidth

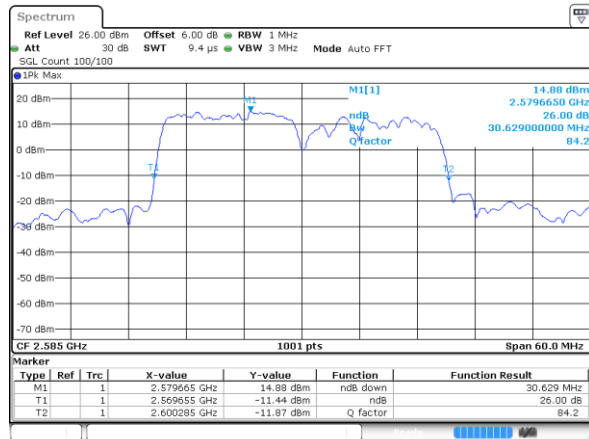
Mode	LTE Band 38C : 26dB BW(MHz)		
	QPSK	16QAM	64QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Lowest CH	30.63	30.57	30.33
Middle CH	30.45	30.63	30.63
Highest CH	30.51	30.75	30.45
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	39.56	39.80	39.56
Middle CH	39.72	39.80	39.72
Highest CH	39.80	39.56	39.88



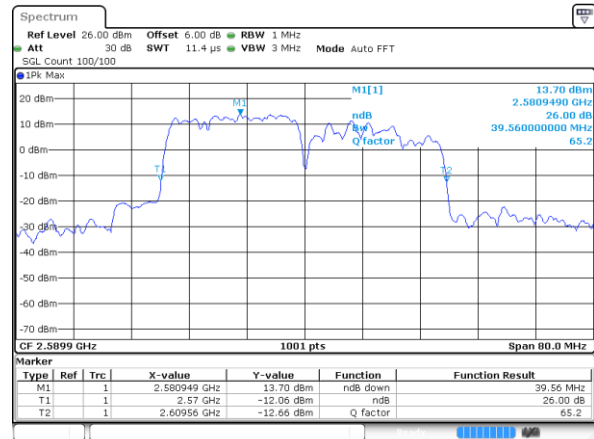
LTE Band 38C

QPSK

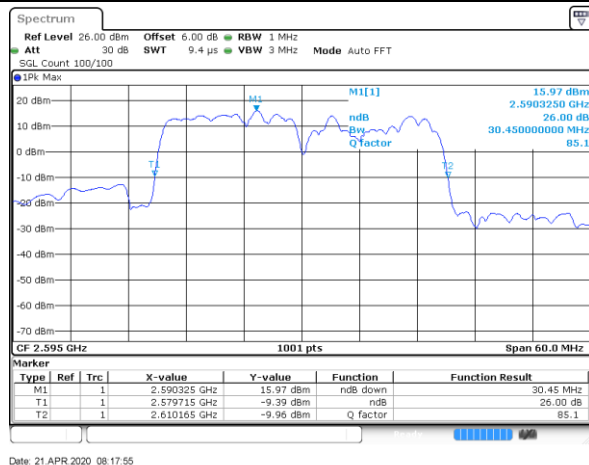
Lowest Channel / 15MHz+15MHz



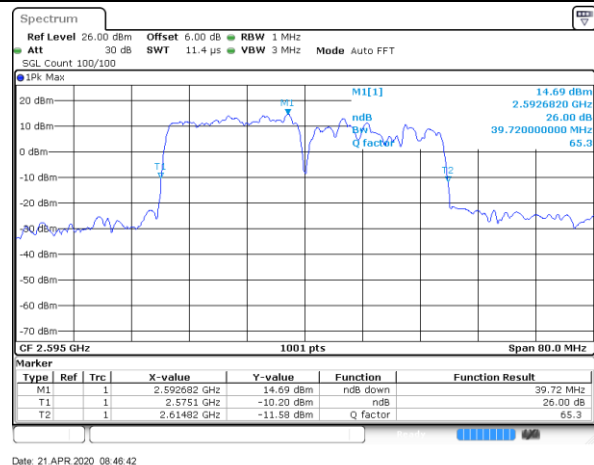
Lowest Channel / 20MHz+20MHz



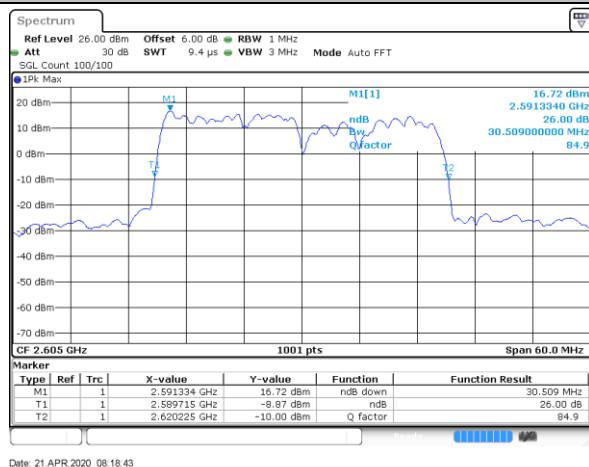
Middle Channel / 15MHz+15MHz



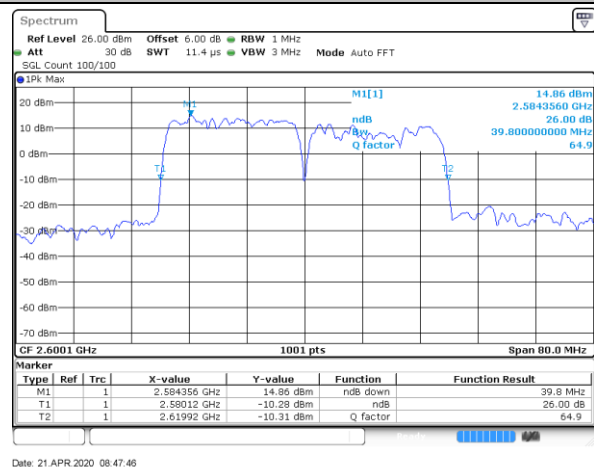
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz

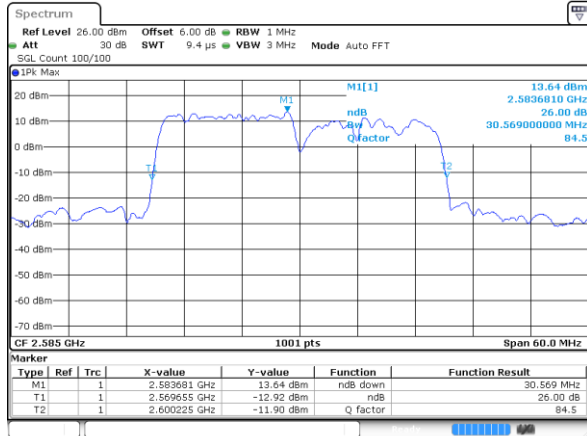




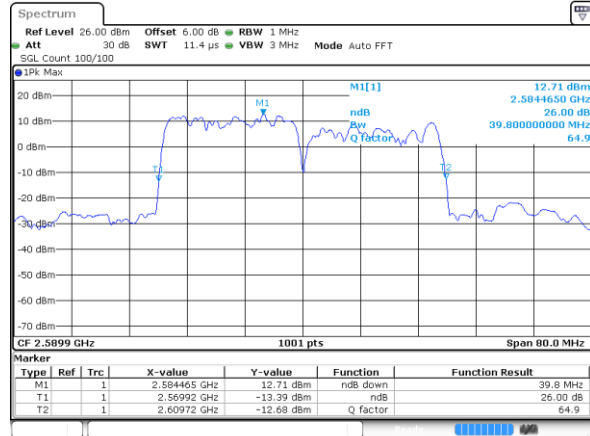
LTE Band 38C

16QAM

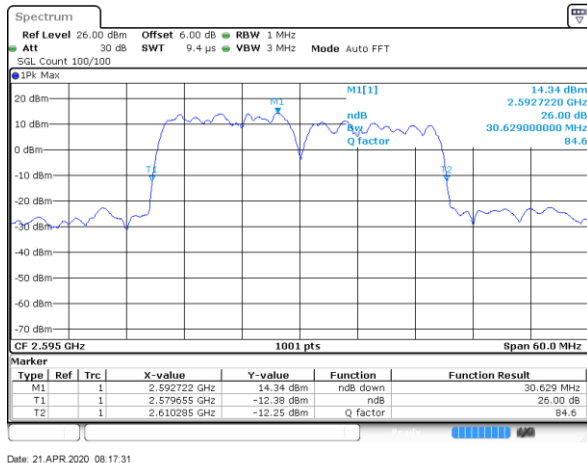
Lowest Channel / 15MHz+15MHz



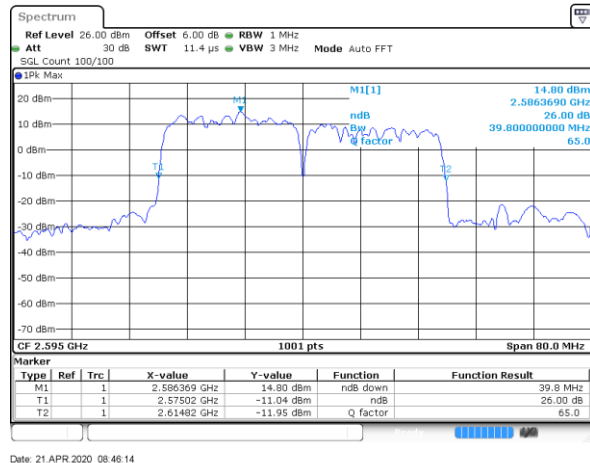
Lowest Channel / 20MHz+20MHz



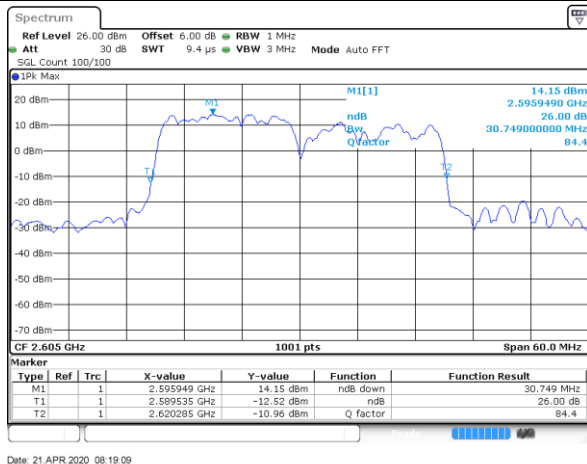
Middle Channel / 15MHz+15MHz



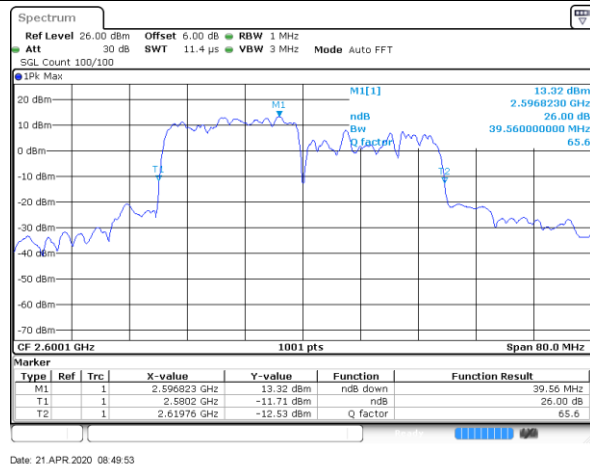
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz

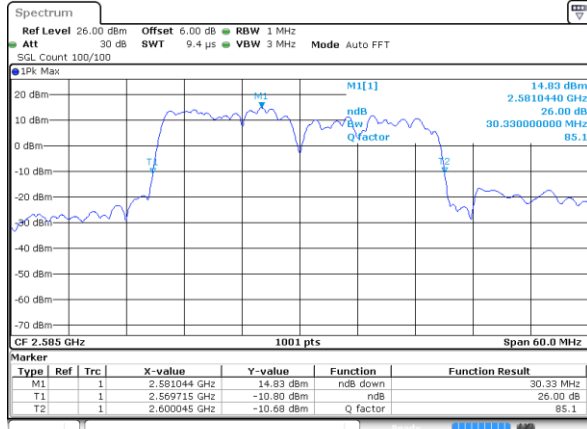




LTE Band 38C

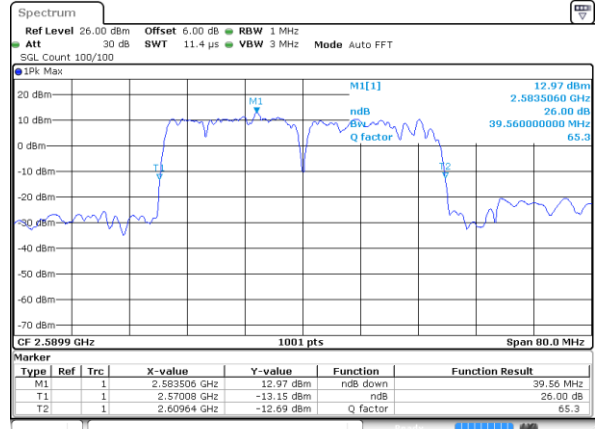
64QAM

Lowest Channel / 15MHz+15MHz



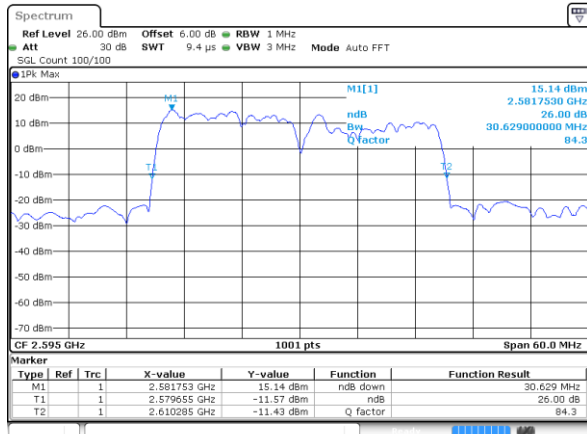
Date: 21 APR 2020 08:05:28

Lowest Channel / 20MHz+20MHz



Date: 21 APR 2020 08:31:49

Middle Channel / 15MHz+15MHz



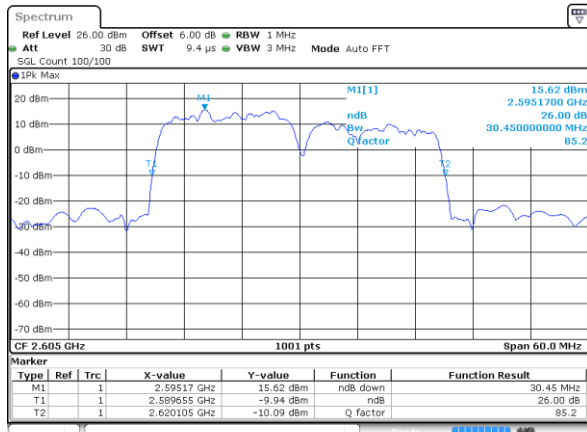
Date: 21 APR 2020 08:16:53

Middle Channel / 20MHz+20MHz



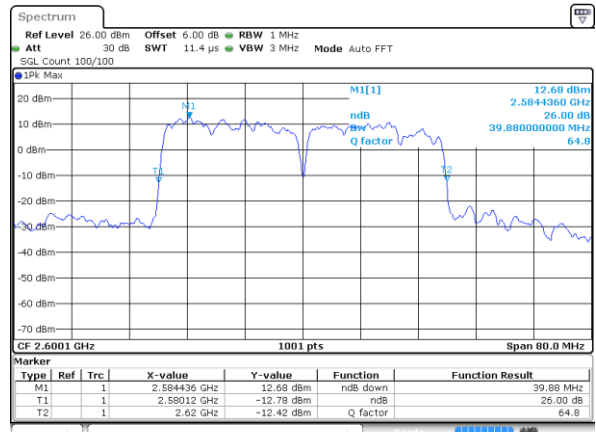
Date: 21 APR 2020 08:45:48

Highest Channel / 15MHz+15MHz



Date: 21 APR 2020 08:19:36

Highest Channel / 20MHz+20MHz



Date: 21 APR 2020 08:49:24

**Occupied Bandwidth**

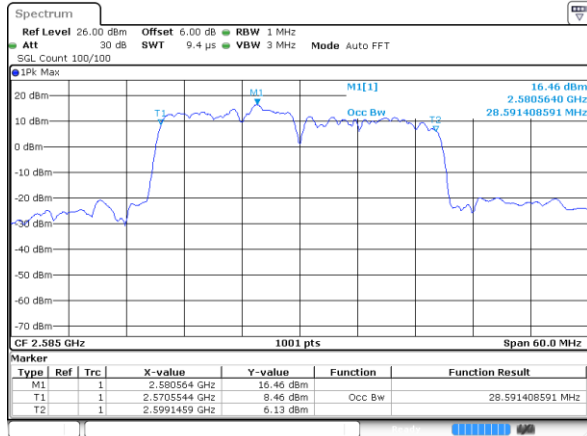
Mode	LTE Band 38C : 99%OBW(MHz)		
	QPSK	16QAM	64QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Lowest CH	28.59	28.41	28.35
Middle CH	28.53	28.59	28.65
Highest CH	28.65	28.65	28.29
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	37.48	37.56	37.80
Middle CH	37.64	37.32	37.48
Highest CH	37.32	37.72	37.72



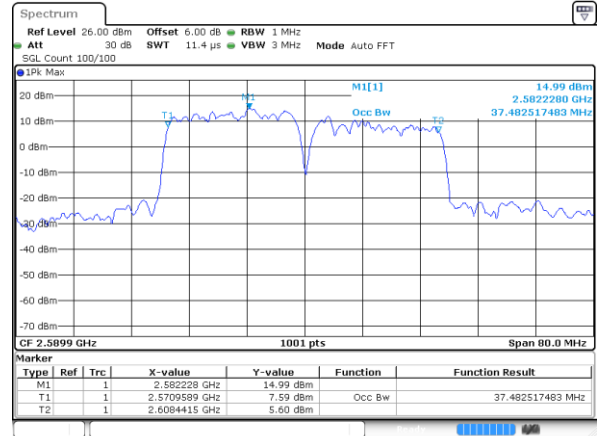
LTE Band 38C

QPSK

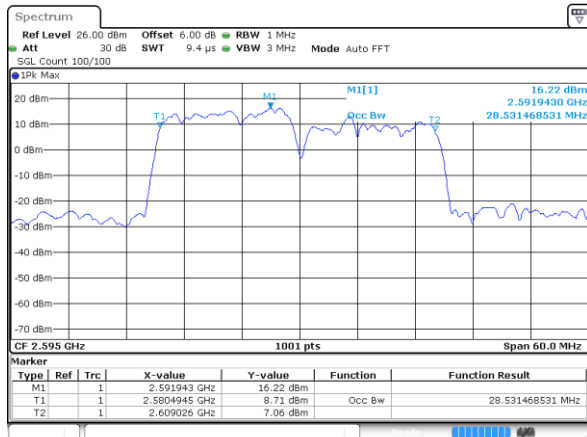
Lowest Channel / 15MHz+15MHz



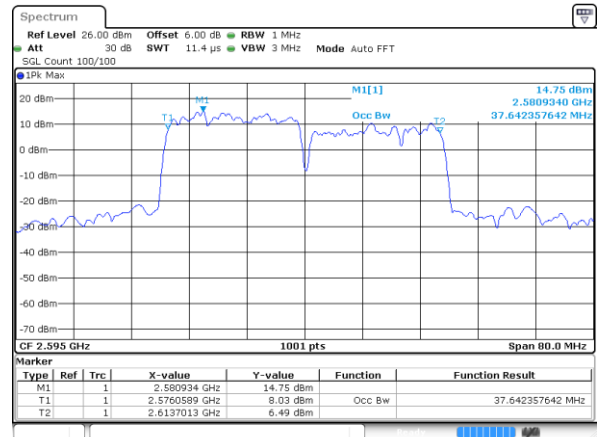
Lowest Channel / 20MHz+20MHz



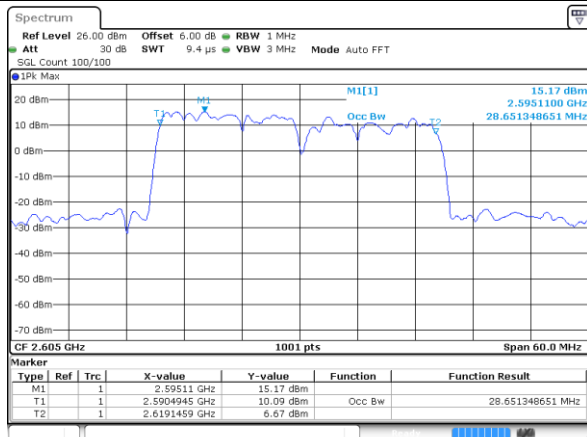
Middle Channel / 15MHz+15MHz



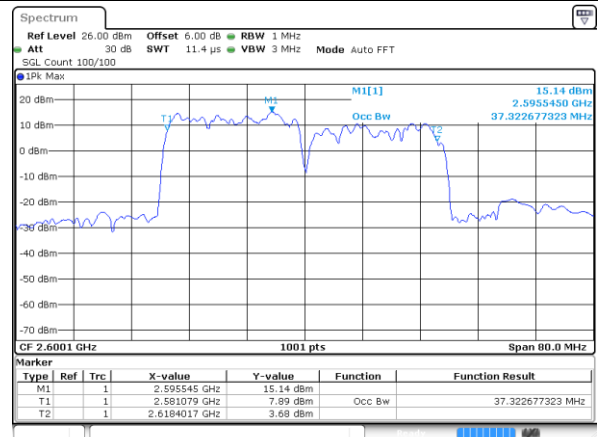
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz

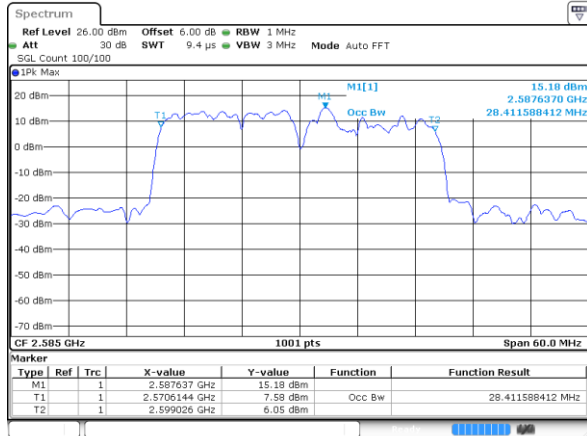




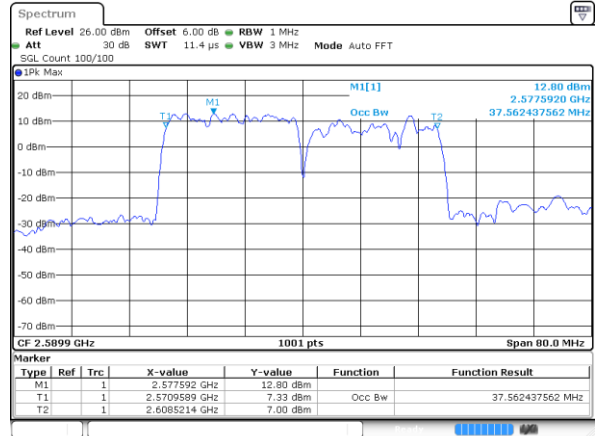
LTE Band 38C

16QAM

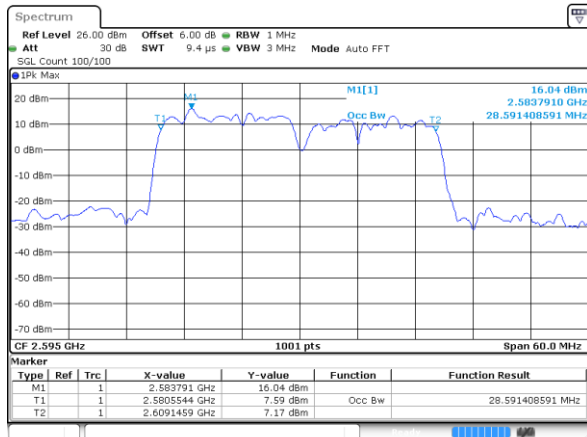
Lowest Channel / 15MHz+15MHz



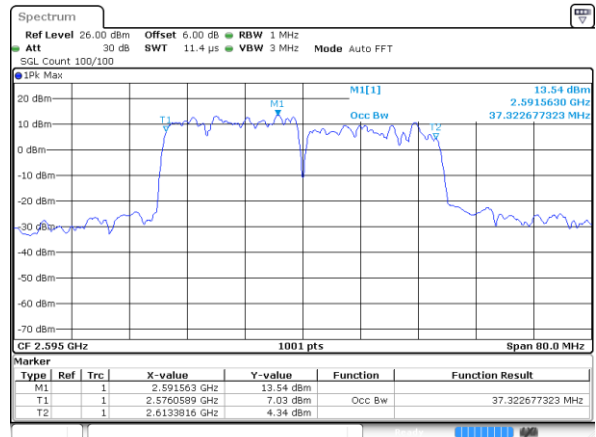
Lowest Channel / 20MHz+20MHz



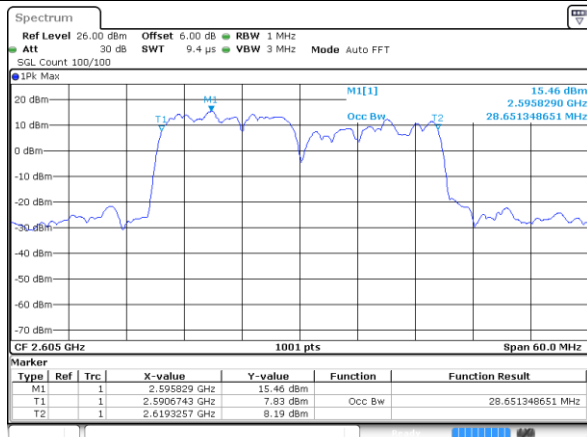
Middle Channel / 15MHz+15MHz



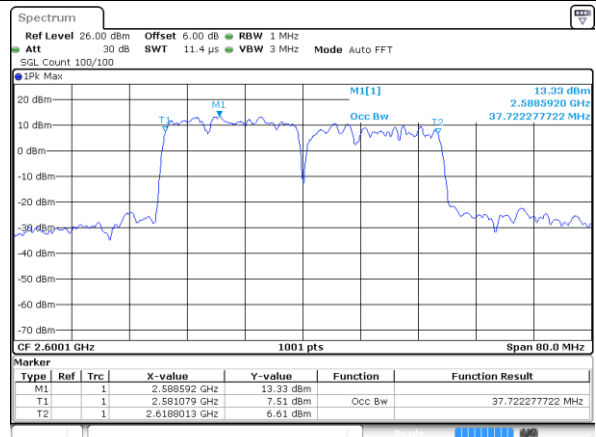
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz

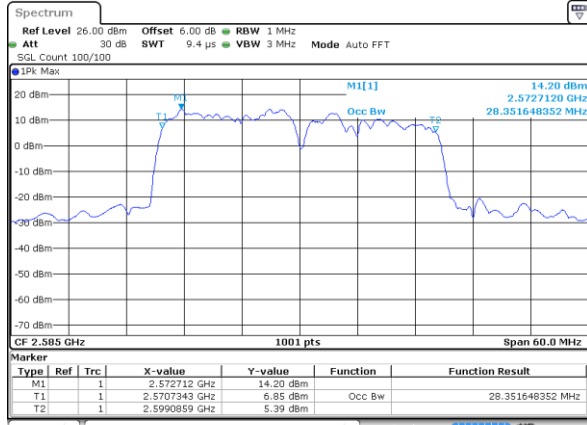




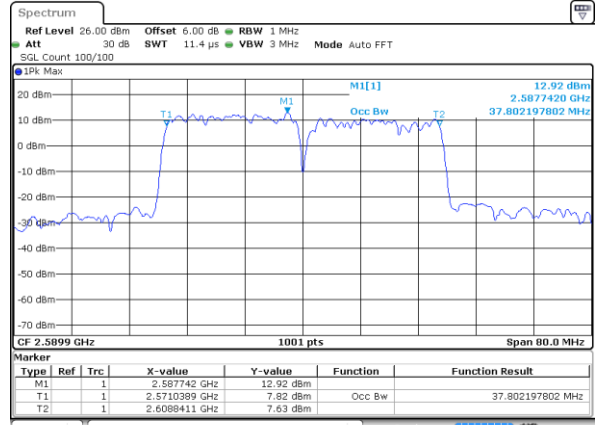
LTE Band 38C

64QAM

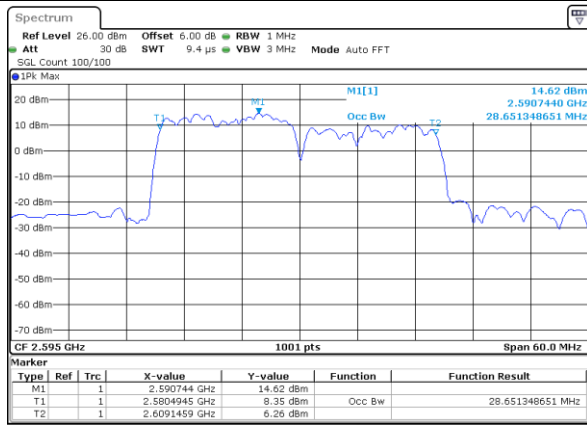
Lowest Channel / 15MHz+15MHz



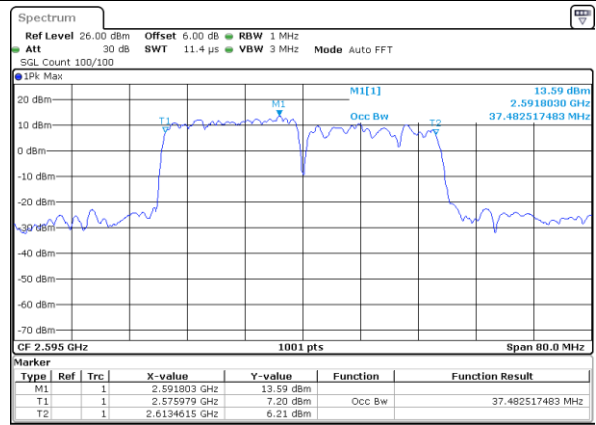
Lowest Channel / 20MHz+20MHz



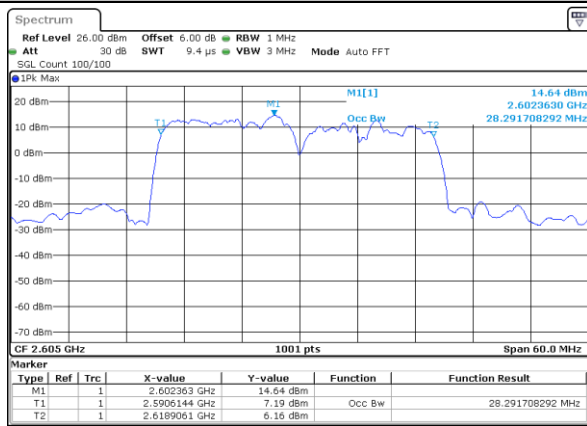
Middle Channel / 15MHz+15MHz



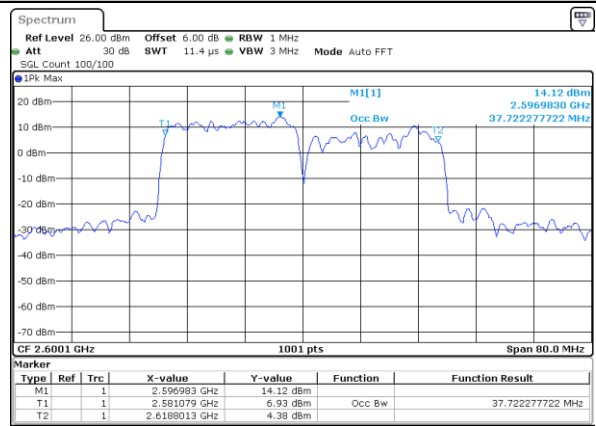
Middle Channel / 20MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 20MHz+20MHz



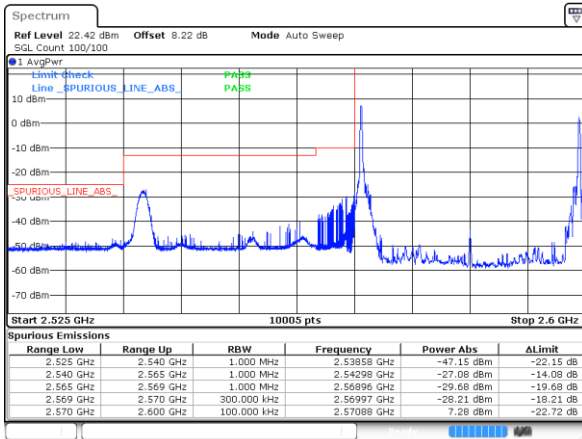


Conducted Band Edge

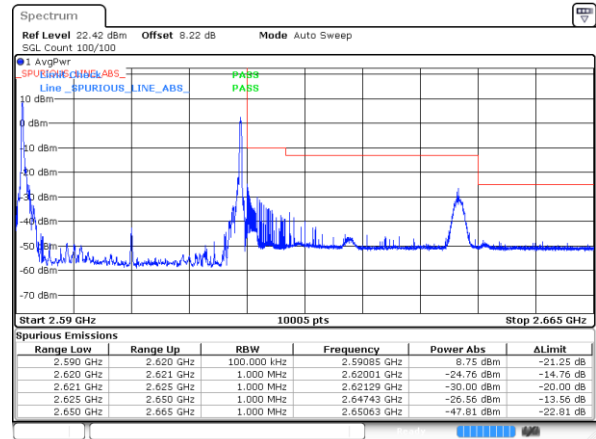
LTE Band 38C / 15MHz+15MHz

QPSK

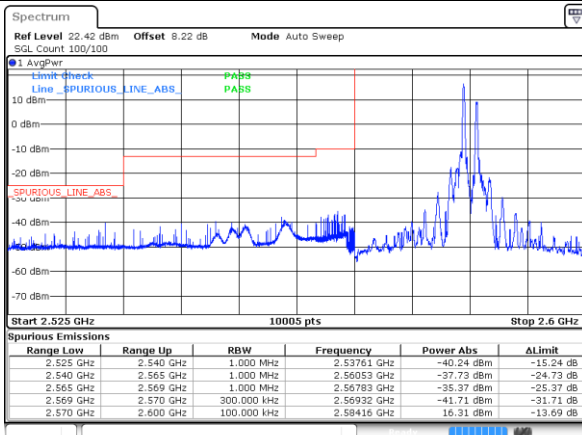
Lowest Band Edge / 1RB0 and 1RB74



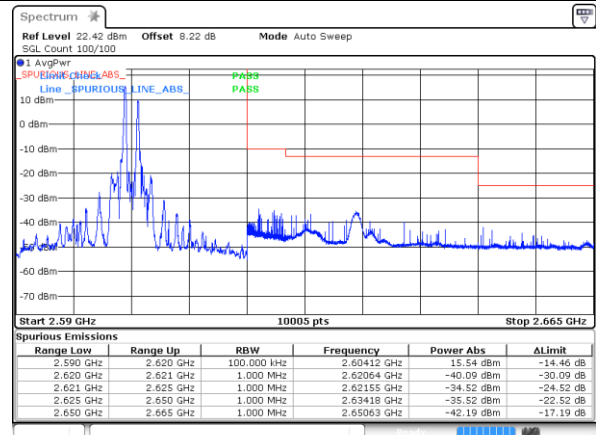
Highest Band Edge / 1RB0 and 1RB74



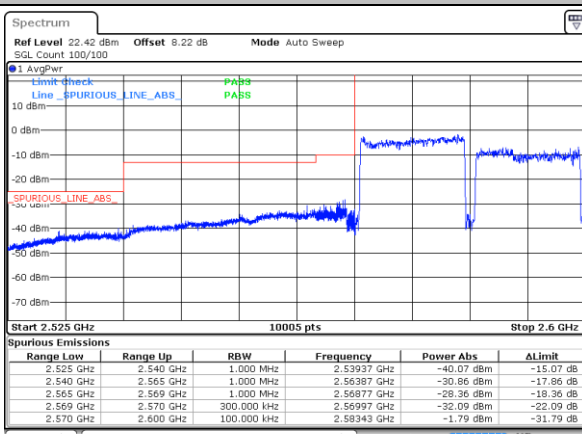
Lowest Band Edge / 1RB74 and 1RB0



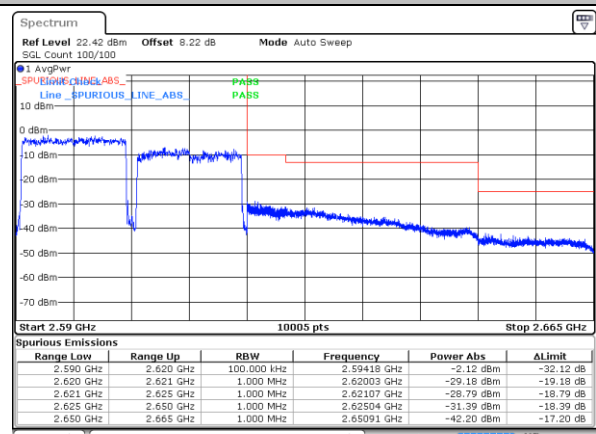
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

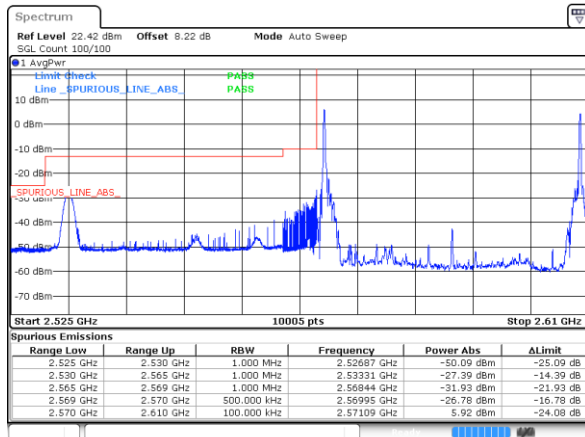




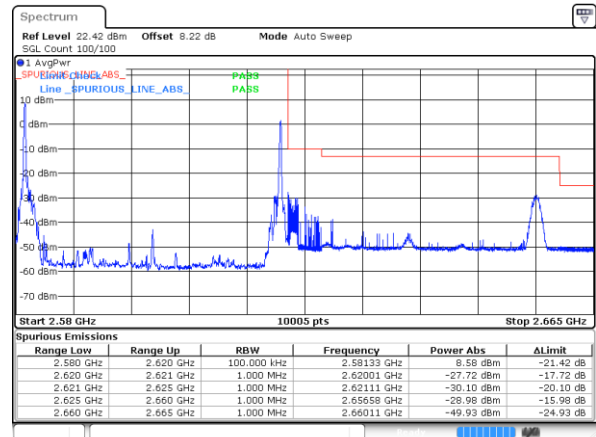
LTE Band 38C / 20MHz+20MHz

QPSK

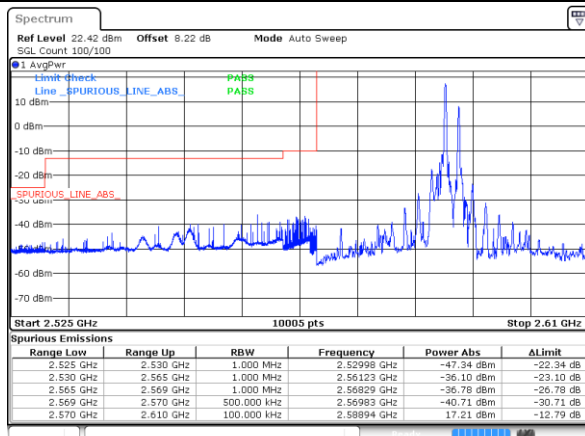
Lowest Band Edge / 1RB0 and 1RB99



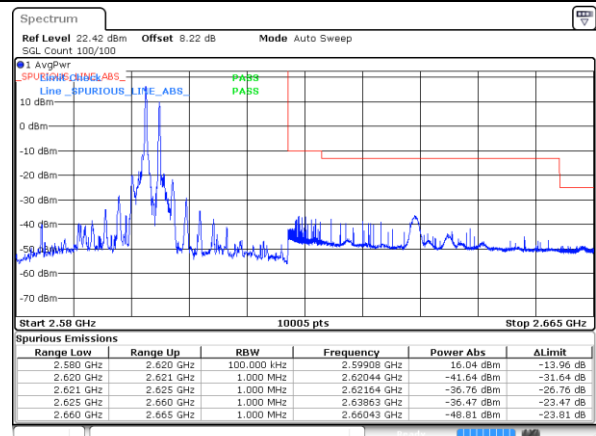
Highest Band Edge / 1RB0 and 1RB99



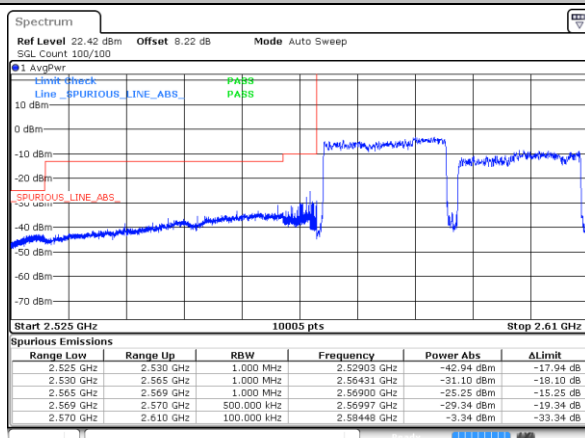
Lowest Band Edge / 1RB99 and 1RB0



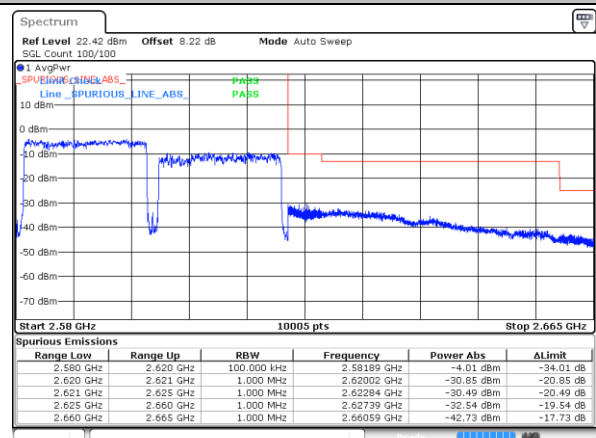
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

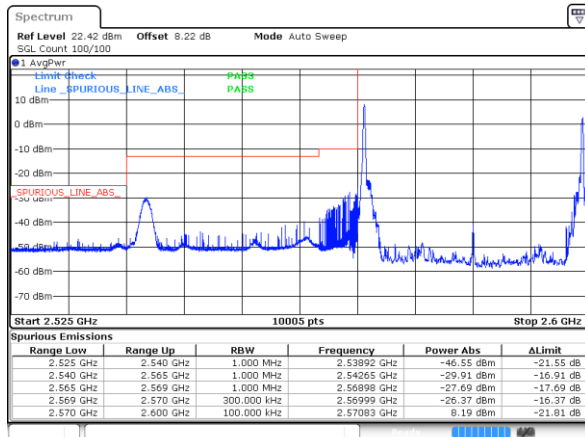




LTE Band 38C / 15MHz+15MHz

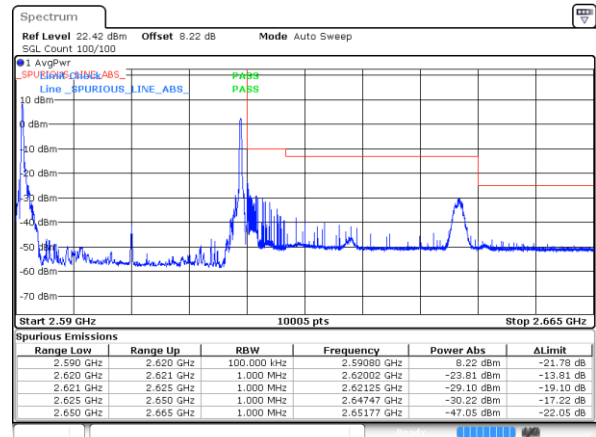
16QAM

Lowest Band Edge / 1RB0 and 1RB74



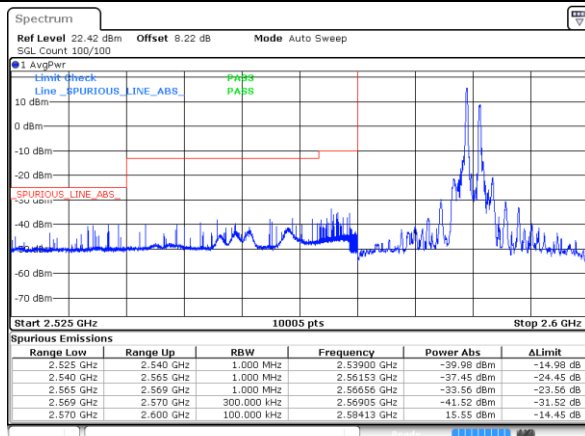
Date: 21 APR 2020 08:08:09

Highest Band Edge / 1RB0 and 1RB74



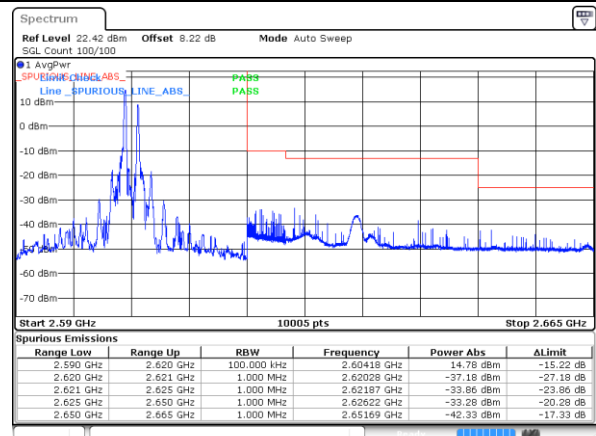
Date: 21 APR 2020 08:22:23

Lowest Band Edge / 1RB74 and 1RB0



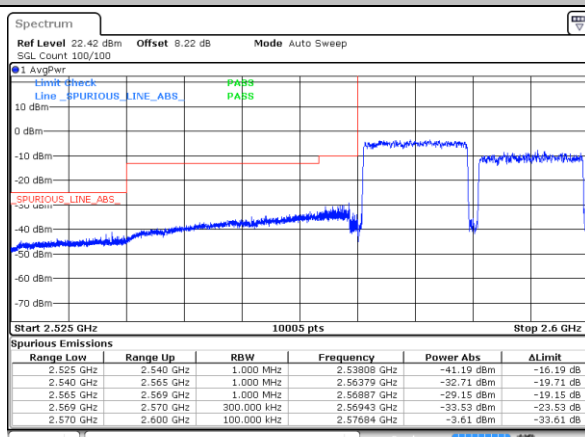
Date: 21 APR 2020 08:10:18

Highest Band Edge / 1RB74 and 1RB0



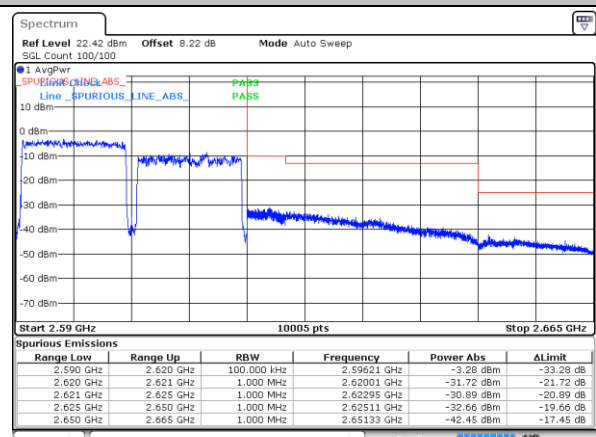
Date: 21 APR 2020 08:24:57

Lowest Band Edge / Full RB



Date: 21 APR 2020 08:06:46

Highest Band Edge / Full RB



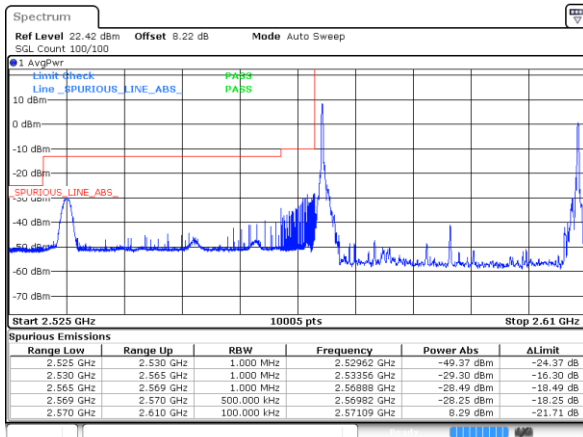
Date: 21 APR 2020 08:21:20



LTE Band 38C / 20MHz+20MHz

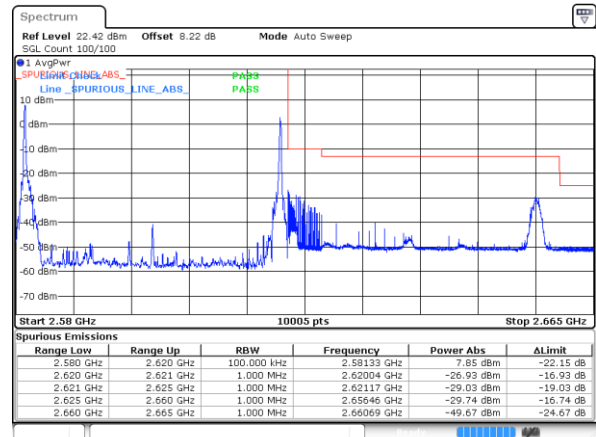
16QAM

Lowest Band Edge / 1RB0 and 1RB99



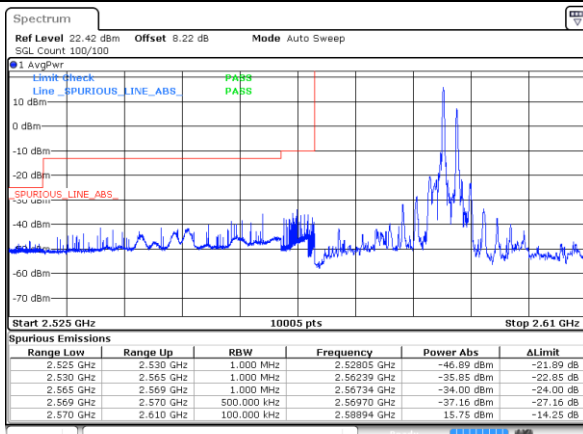
Date: 21 APR 2020 08:35:52

Highest Band Edge / 1RB0 and 1RB99



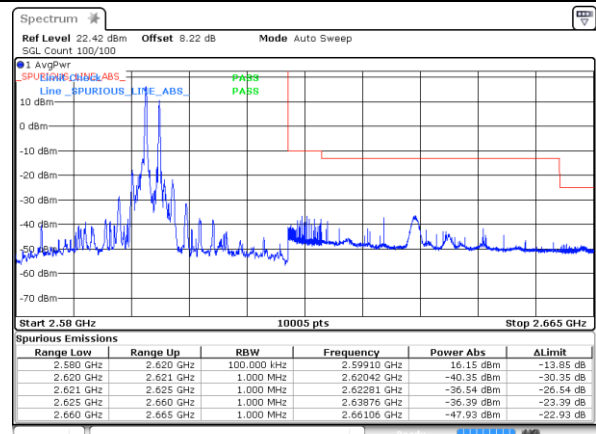
Date: 21 APR 2020 08:52:20

Lowest Band Edge / 1RB99 and 1RB0



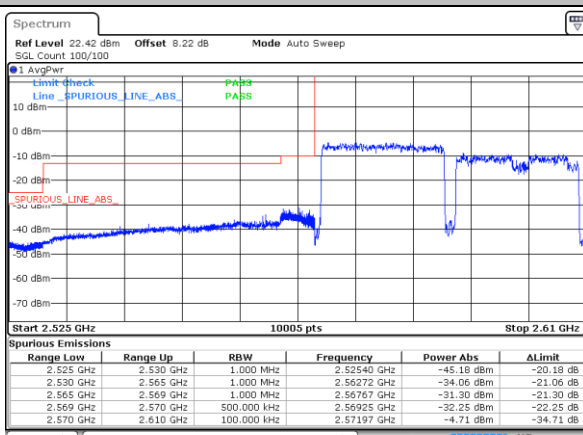
Date: 21 APR 2020 08:39:26

Highest Band Edge / 1RB99 and 1RB0



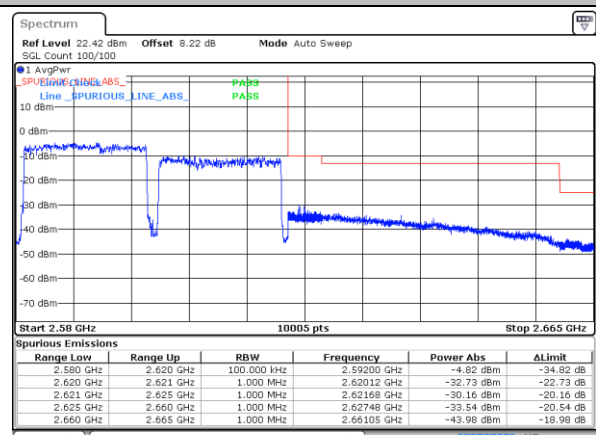
Date: 21 APR 2020 08:54:30

Lowest Band Edge / Full RB



Date: 21 APR 2020 08:33:21

Highest Band Edge / Full RB



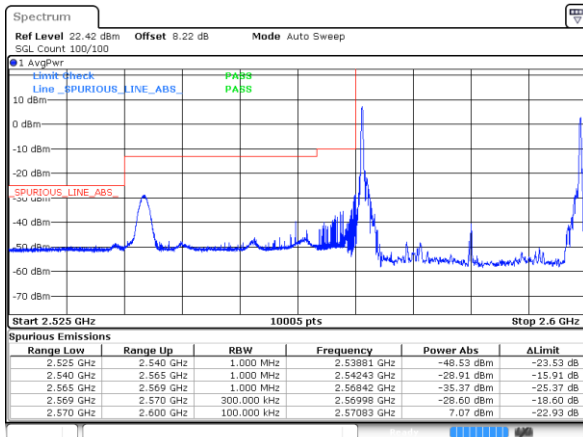
Date: 21 APR 2020 08:50:54



LTE Band 38C / 15MHz+15MHz

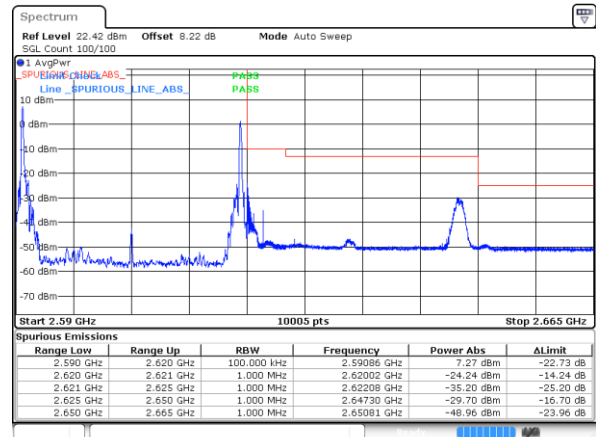
64QAM

Lowest Band Edge / 1RB0 and 1RB74



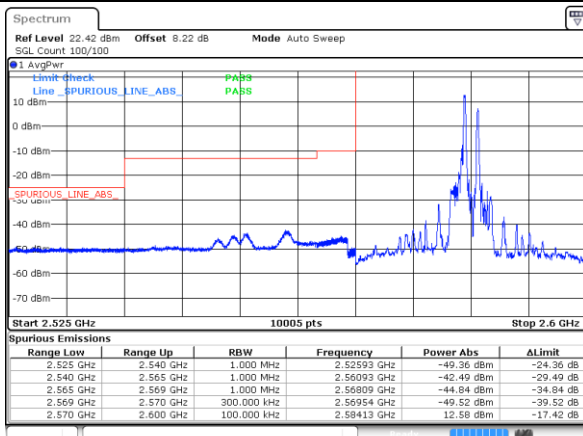
Date: 21 APR 2020 08:08:33

Highest Band Edge / 1RB0 and 1RB74



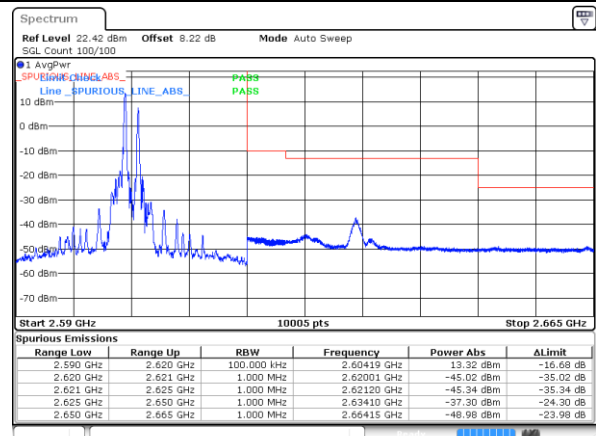
Date: 21 APR 2020 08:22:59

Lowest Band Edge / 1RB74 and 1RB0



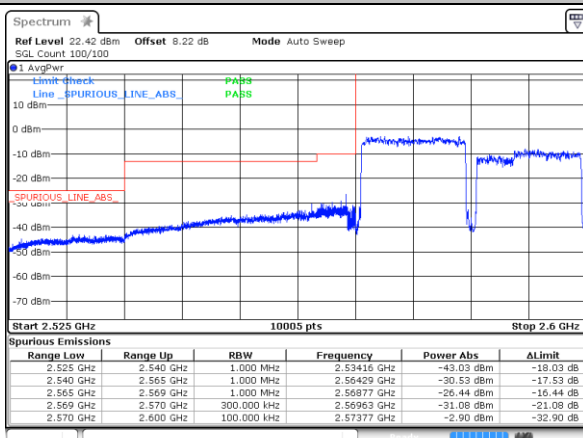
Date: 21 APR 2020 08:08:58

Highest Band Edge / 1RB74 and 1RB0



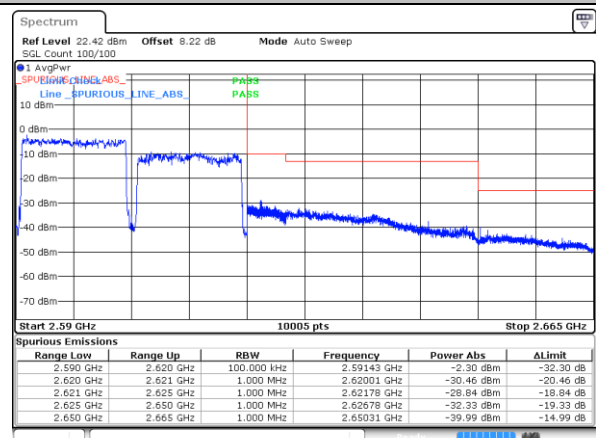
Date: 21 APR 2020 08:23:37

Lowest Band Edge / Full RB



Date: 21 APR 2020 08:06:22

Highest Band Edge / Full RB



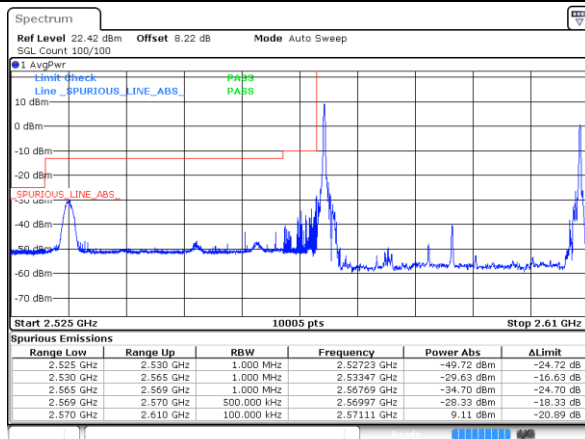
Date: 21 APR 2020 08:19:59



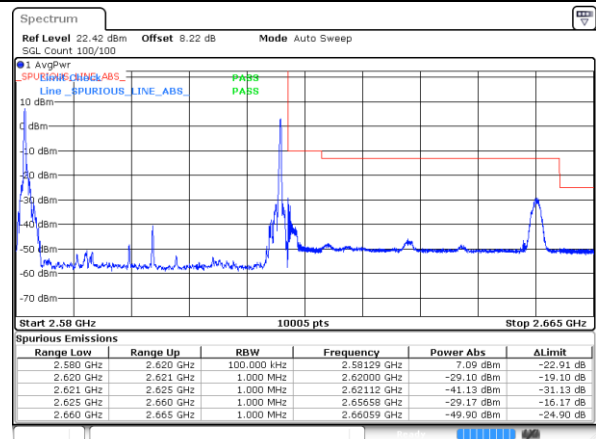
LTE Band 38C / 20MHz+20MHz

64QAM

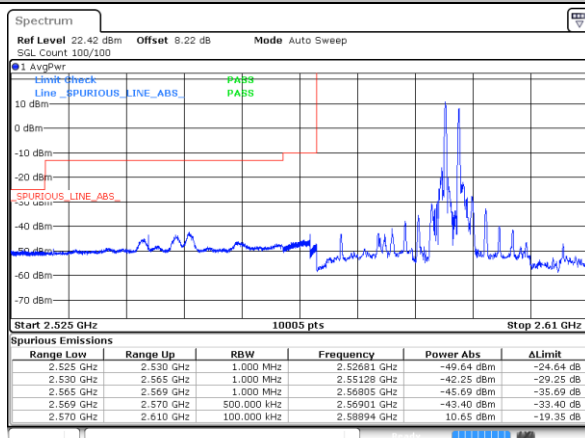
Lowest Band Edge / 1RB0 and 1RB99



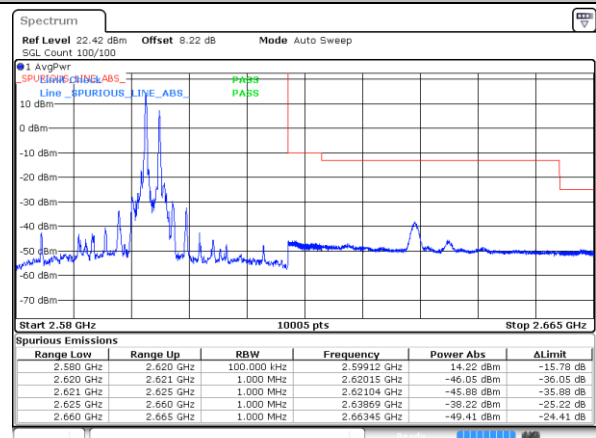
Highest Band Edge / 1RB0 and 1RB99



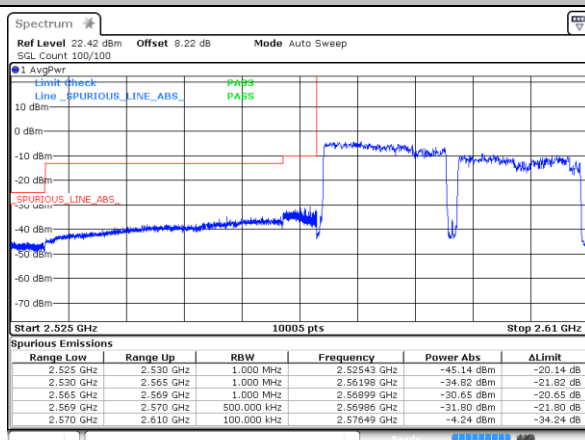
Lowest Band Edge / 1RB99 and 1RB0



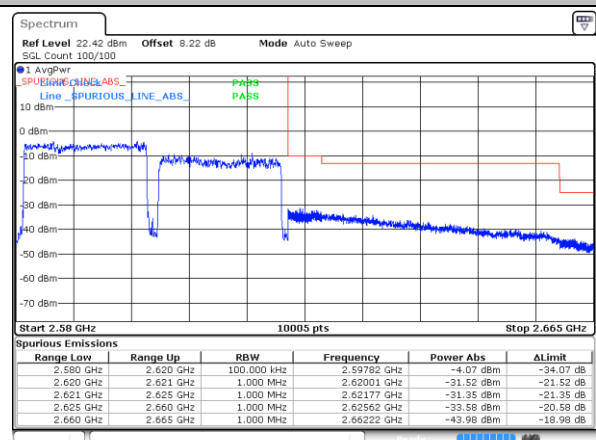
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB

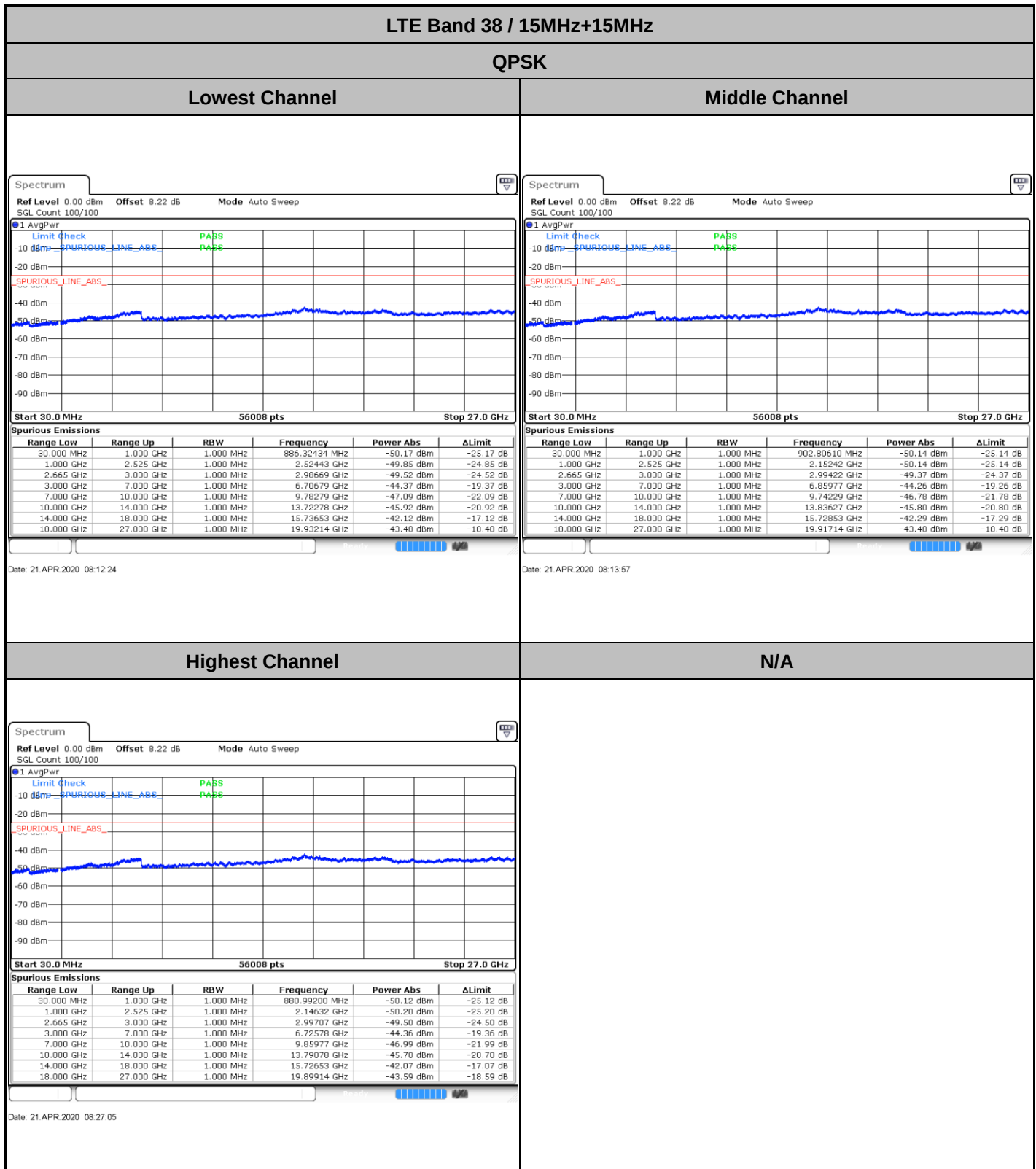


Highest Band Edge / Full RB





Conducted Spurious Emission



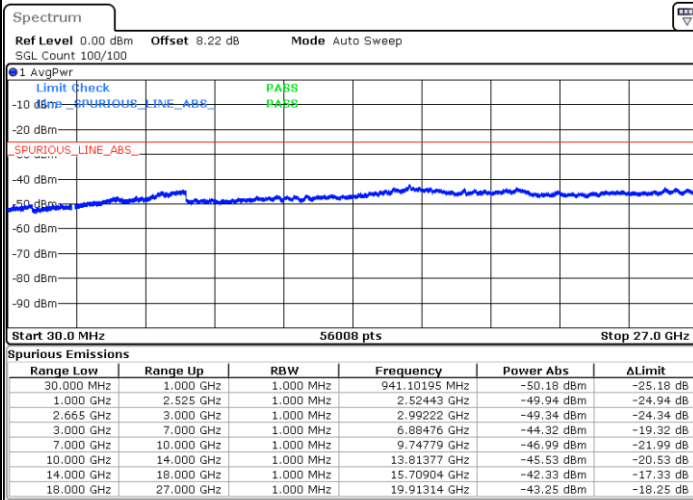


LTE Band 38 / 15MHz+15MHz

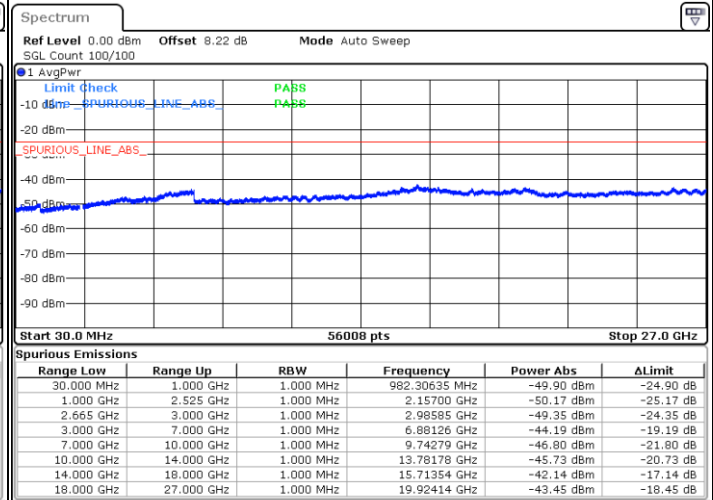
16QAM

Lowest Channel

Middle Channel



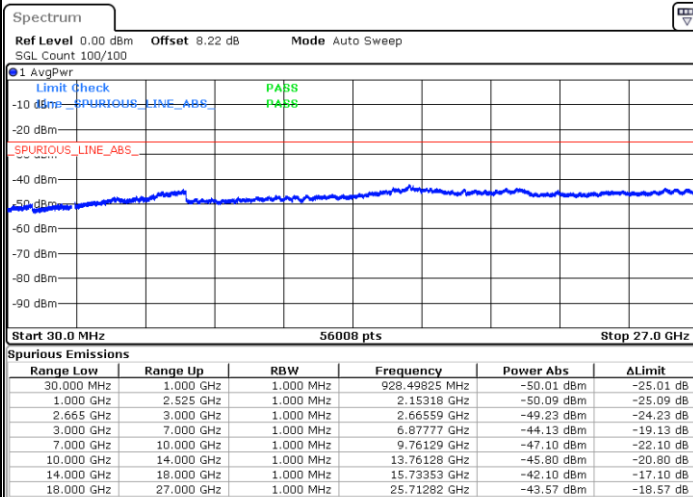
Date: 21 APR 2020 08:11:10



Date: 21 APR 2020 08:14:57

Highest Channel

N/A



Date: 21 APR 2020 08:25:45

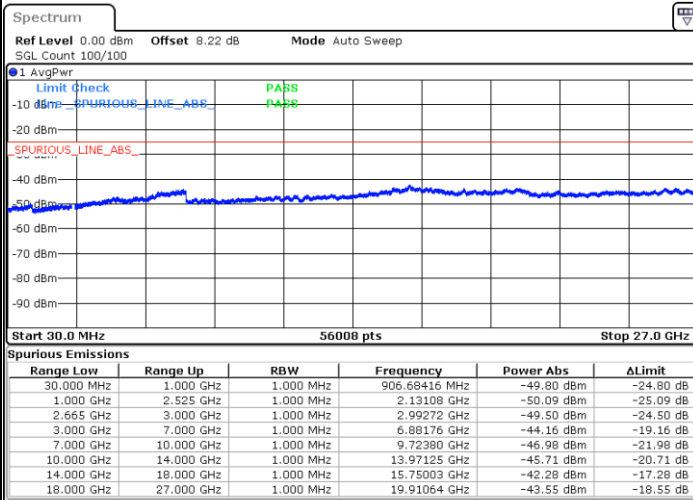


LTE Band 38 / 15MHz+15MHz

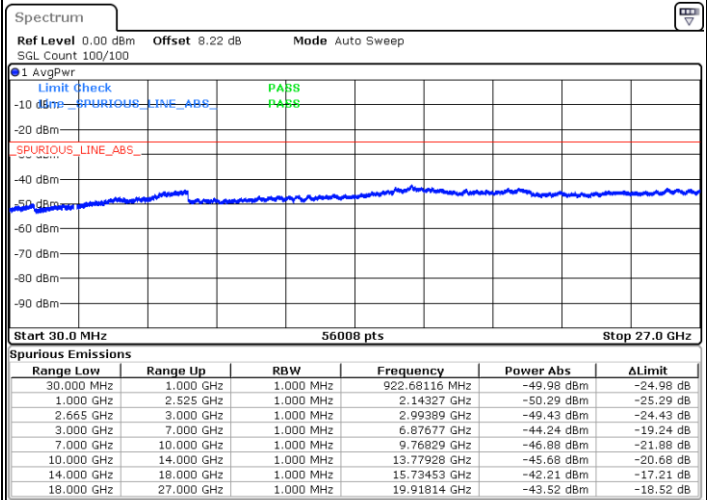
64QAM

Lowest Channel

Middle Channel



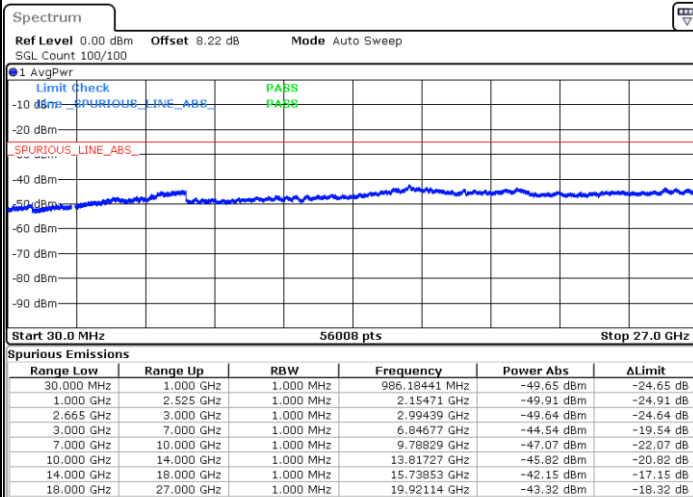
Date: 21 APR 2020 08:09:51



Date: 21 APR 2020 08:16:02

Highest Channel

N/A



Date: 21 APR 2020 08:24:25

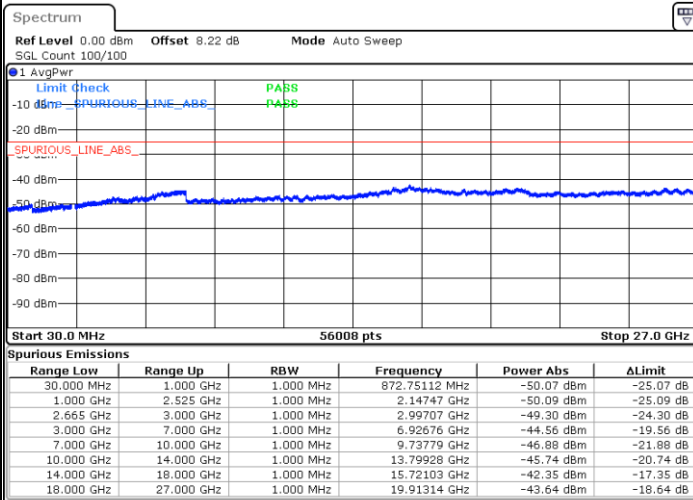


LTE Band 38 / 20MHz+20MHz

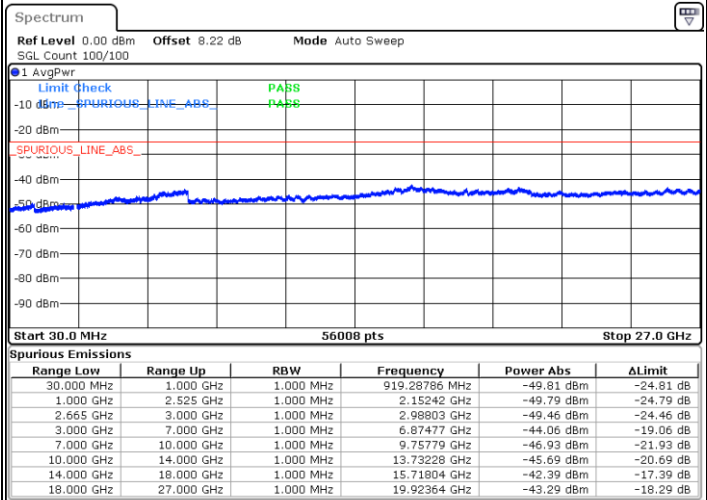
QPSK

Lowest Channel

Middle Channel



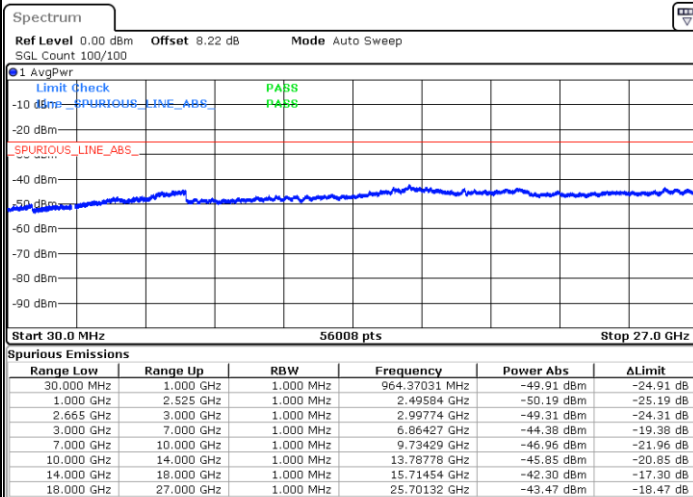
Date: 21 APR 2020 08:41:33



Date: 21 APR 2020 08:42:52

Highest Channel

N/A



Date: 21 APR 2020 08:56:36

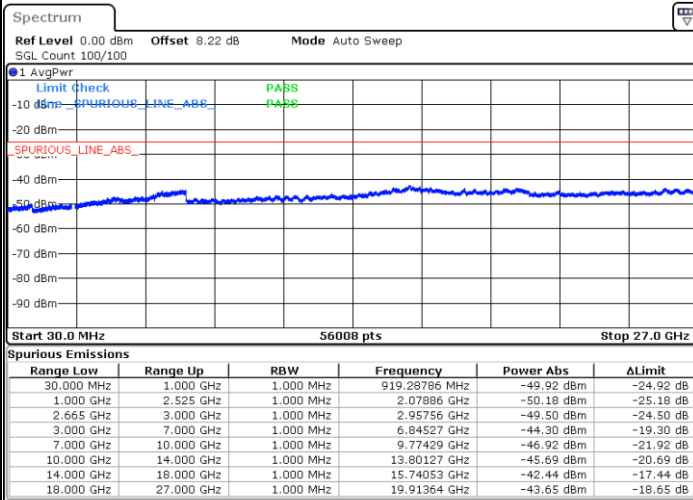


LTE Band 38 / 20MHz+20MHz

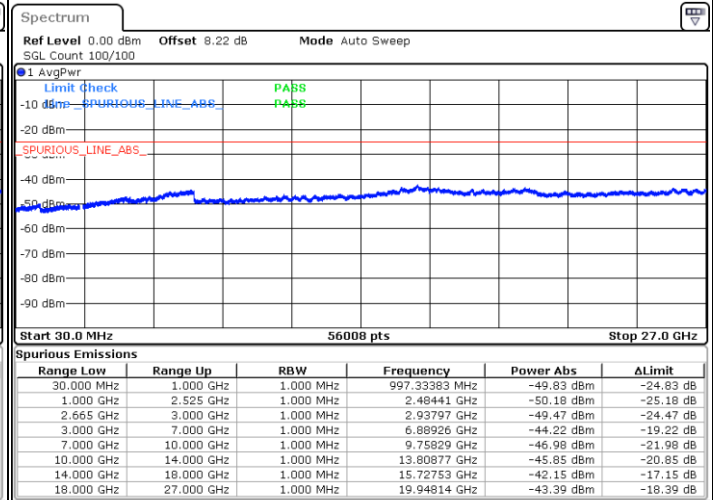
16QAM

Lowest Channel

Middle Channel



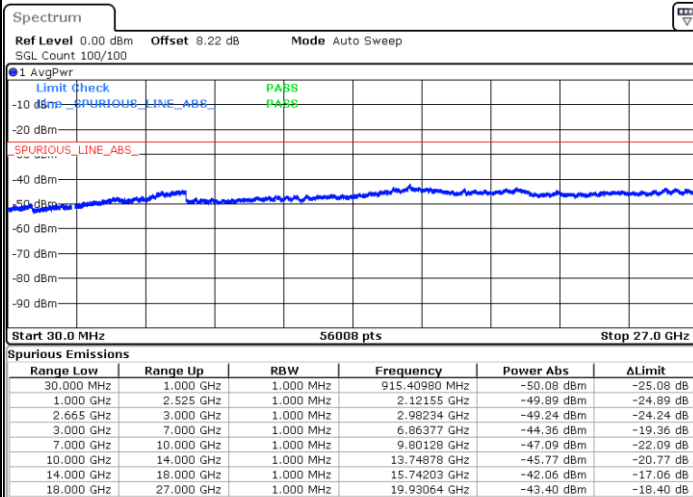
Date: 21 APR 2020 08:40:14



Date: 21 APR 2020 08:43:52

Highest Channel

N/A



Date: 21 APR 2020 08:55:19

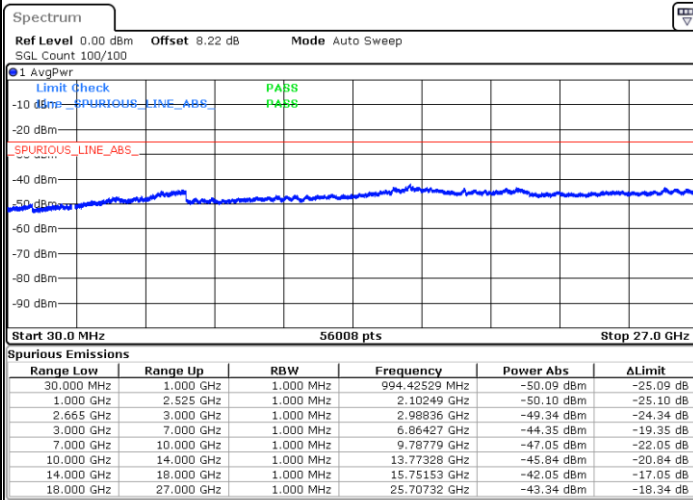


LTE Band 38 / 20MHz+20MHz

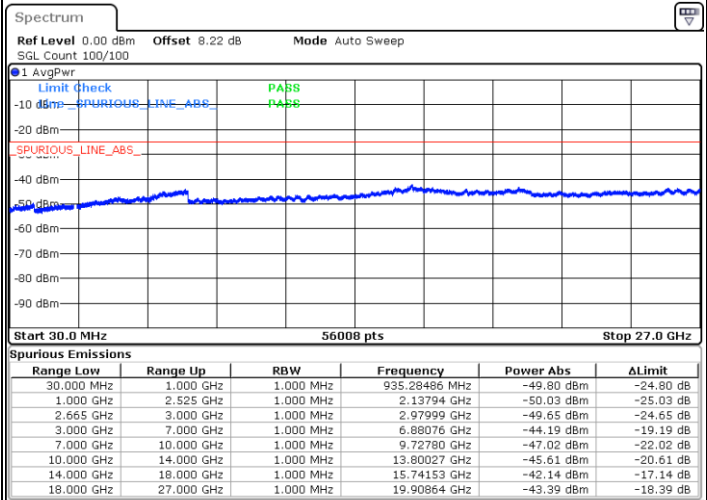
64QAM

Lowest Channel

Middle Channel



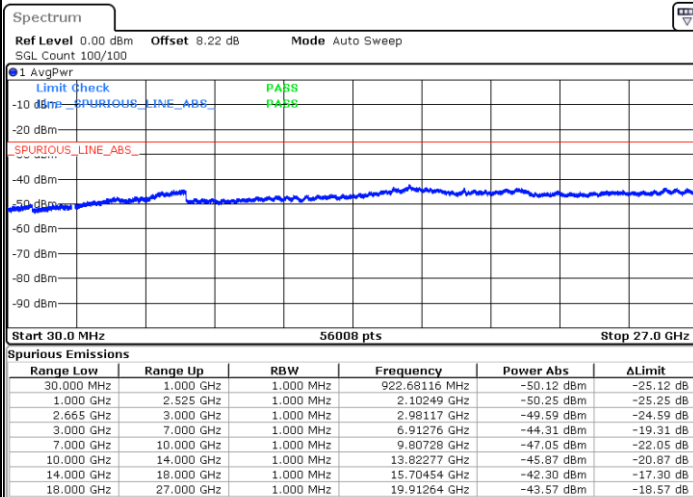
Date: 21 APR 2020 08:38:47



Date: 21 APR 2020 08:45:01

Highest Channel

N/A



Date: 21 APR 2020 08:54:00

Radiated Spurious Emission

LTE Band 2 / 20MHz / 64QAM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-53.12	-13	-40.12	-65.38	2.64	14.90	H
	5613.27	-54.94	-13	-41.94	-66.80	2.94	14.80	H
	7488	-50.44	-13	-37.44	-60.21	3.39	13.16	H
	3741	-50.38	-13	-37.38	-62.64	2.64	14.90	V
	5613.27	-54.39	-13	-41.39	-66.25	2.94	14.80	V
	7488	-49.91	-13	-36.91	-59.68	3.39	13.16	V

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

LTE Band 4 / 20MHz / 16QAM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-57.96	-13	-44.96	-68.70	2.604	13.34	H
	5172	-56.22	-13	-43.22	-66.73	3.011	13.52	H
	6900	-53.02	-13	-40.02	-63.22	3.271	13.47	H
	3447	-59.55	-13	-46.55	-70.29	2.604	13.34	V
	5172	-56.11	-13	-43.11	-66.62	3.011	13.52	V
	6900	-52.84	-13	-39.84	-63.04	3.271	13.47	V

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

LTE Band 5 / 10MHz / 16QAM								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-57.78	-13	-44.78	-64.75	1.58	10.70	H
	2496	-54.46	-13	-41.46	-62.71	2.102	12.50	H
	3330	-61.88	-13	-48.88	-70.77	2.856	13.90	H
	1664	-61.22	-13	-48.22	-68.19	1.58	10.70	V
	2496	-56.54	-13	-43.54	-64.79	2.10	12.50	V
	3330	-61.94	-13	-48.94	-70.83	2.86	13.90	V

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



LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-51.07	-25	-26.07	-61.28	3.03	13.24	H
	7578.27	-50.08	-25	-25.08	-59.53	3.56	13.01	H
	10100	-56.70	-25	-31.70	-66.22	3.92	13.44	H
	5052	-52.68	-25	-27.68	-62.89	3.03	13.24	V
	7580	-50.46	-25	-25.46	-59.91	3.56	13.01	V
	10100	-58.27	-25	-33.27	-67.79	3.92	13.44	V

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

LTE Band 41 / 20MHz / 64QAM								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172	-51.91	-25	-26.91	-62.12	3.03	13.24	H
	7760	-51.90	-25	-26.90	-61.35	3.56	13.01	H
	10340	-57.66	-25	-32.66	-67.18	3.92	13.44	H
	5172	-57.89	-25	-32.89	-68.10	3.03	13.24	V
	7760	-53.39	-25	-28.39	-62.84	3.56	13.01	V
	10340	-57.99	-25	-32.99	-67.51	3.92	13.44	V

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

LTE Band 7C_CA / 20MHz+20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5032	-68.20	-25	-43.20	-76.69	1.83	10.32	H
	7548	-62.13	-25	-37.13	-71.14	2.60	11.61	H
	10060	-59.50	-25	-34.50	-70.26	2.67	13.43	H
	5032	-68.44	-25	-43.44	-76.93	1.83	10.32	V
	7548	-60.93	-25	-35.93	-69.94	2.60	11.61	V
	10060	-59.57	-25	-34.57	-70.33	2.67	13.43	V

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



LTE Band 38C_CA / 20MHz+20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5152	-66.41	-25	-41.41	-74.84	1.93	10.36	H
	7728	-60.93	-25	-35.93	-70.16	2.64	11.87	H
	10300	-59.11	-25	-34.11	-69.94	2.64	13.47	H
	5152	-67.69	-25	-42.69	-76.12	1.93	10.36	V
	7728	-61.94	-25	-36.94	-71.17	2.64	11.87	V
	10300	-59.39	-25	-34.39	-70.22	2.64	13.47	V

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