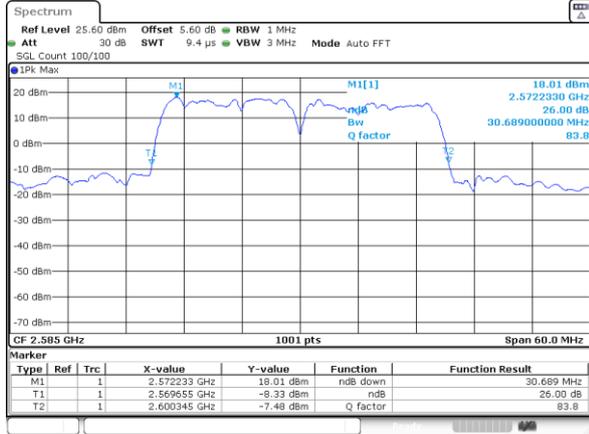




LTE Band 38C

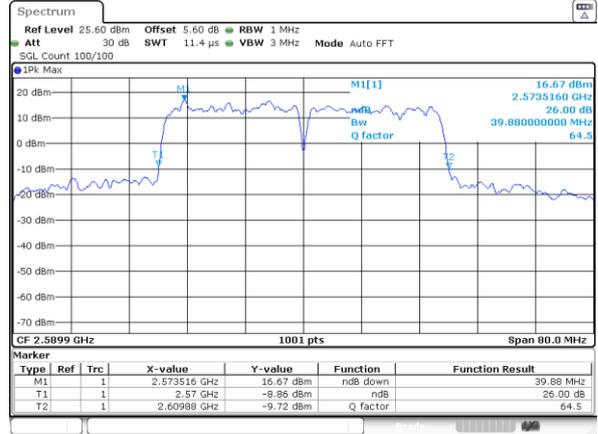
QPSK

Lowest Channel / 15MHz+15MHz



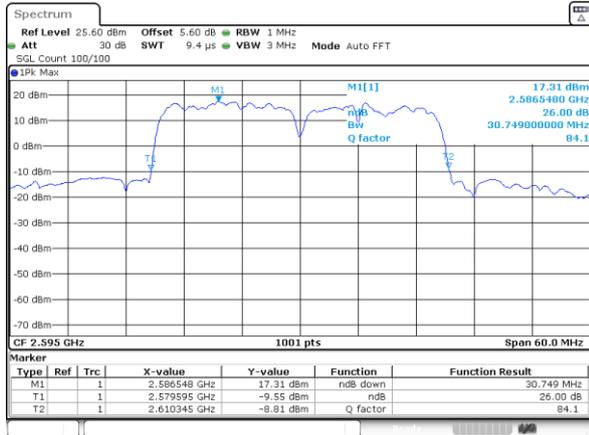
Date: 8.AUG.2020 16:35:11

Lowest Channel / 20MHz+20MHz



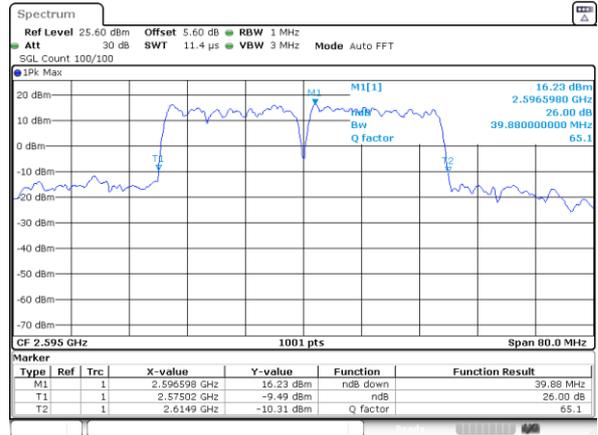
Date: 8.AUG.2020 15:10:36

Middle Channel / 15MHz+15MHz



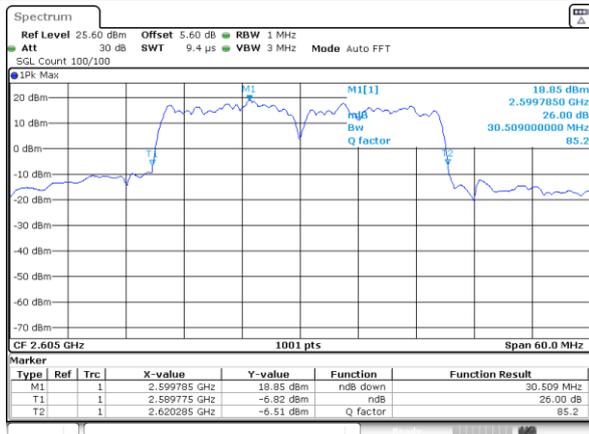
Date: 8.AUG.2020 16:49:32

Middle Channel / 20MHz+20MHz



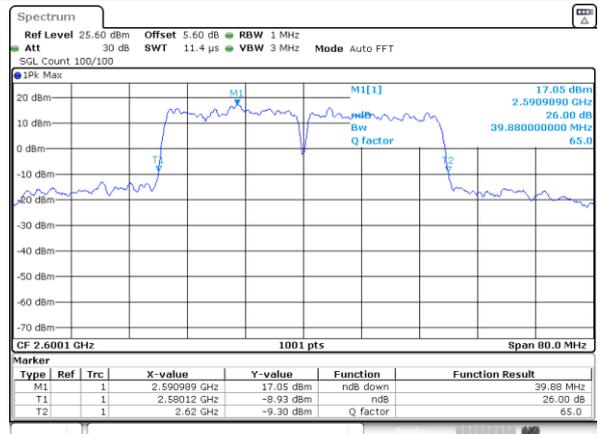
Date: 8.AUG.2020 15:24:40

Highest Channel / 15MHz+15MHz



Date: 8.AUG.2020 16:45:07

Highest Channel / 20MHz+20MHz



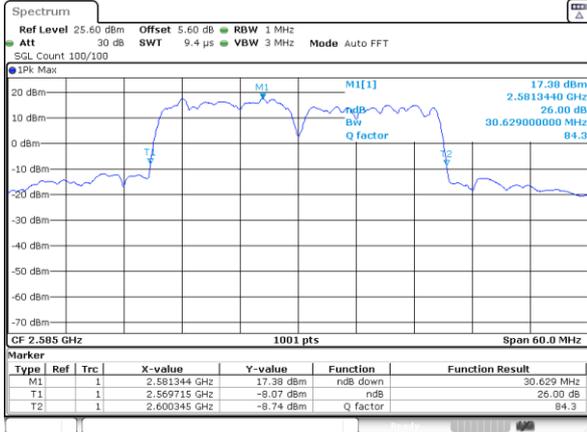
Date: 8.AUG.2020 15:27:10



LTE Band 38C

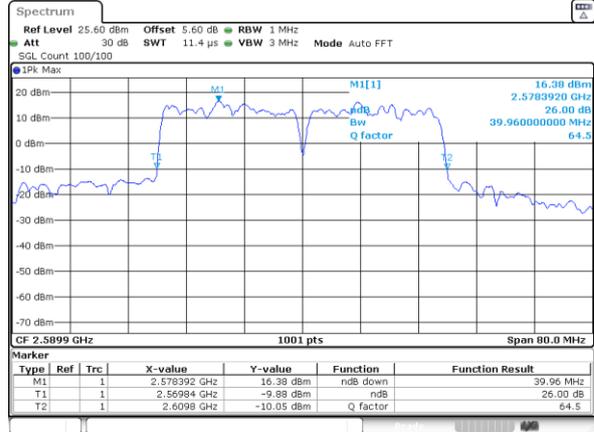
16QAM

Lowest Channel / 15MHz+15MHz



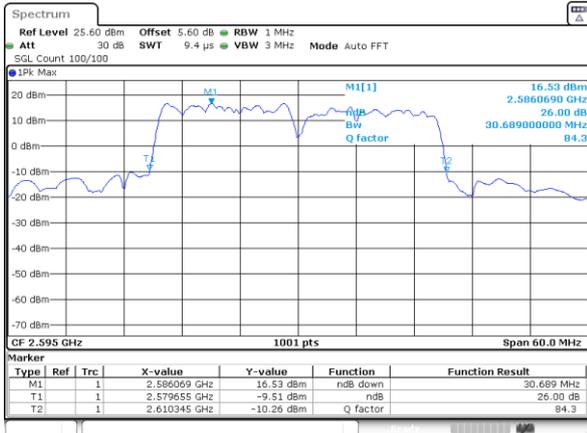
Date: 8.AUG.2020 16:13:11

Lowest Channel / 20MHz+20MHz



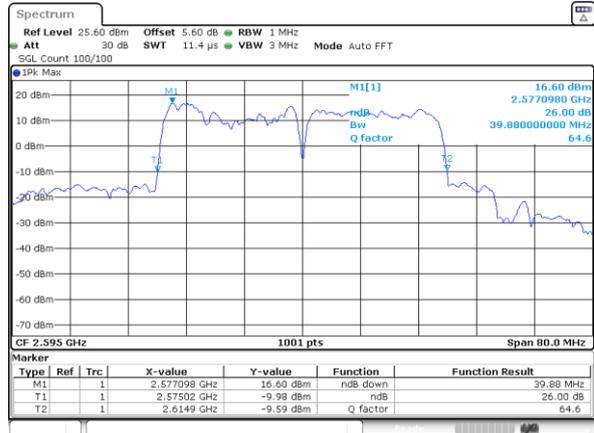
Date: 8.AUG.2020 15:18:02

Middle Channel / 15MHz+15MHz



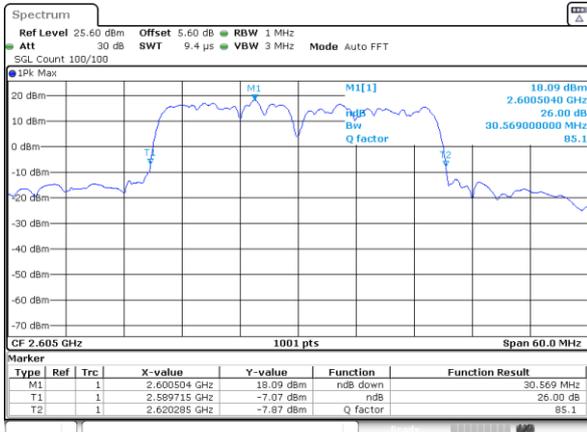
Date: 8.AUG.2020 16:41:50

Middle Channel / 20MHz+20MHz



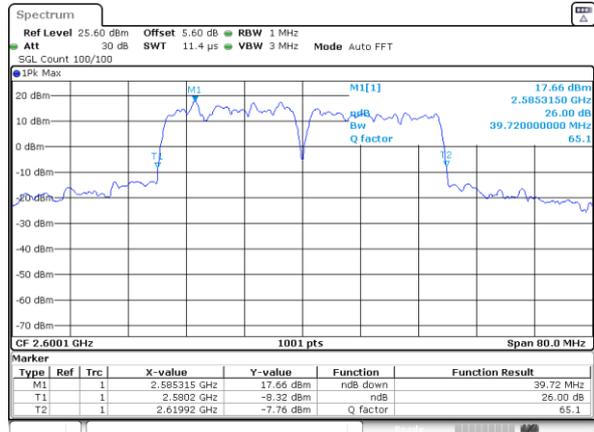
Date: 8.AUG.2020 15:24:02

Highest Channel / 15MHz+15MHz



Date: 8.AUG.2020 16:44:22

Highest Channel / 20MHz+20MHz



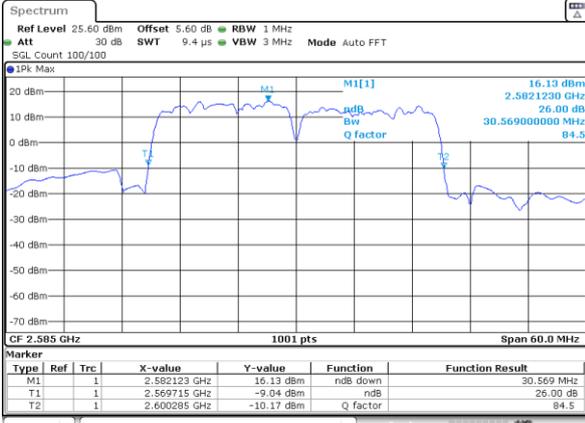
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LTE Band 38C

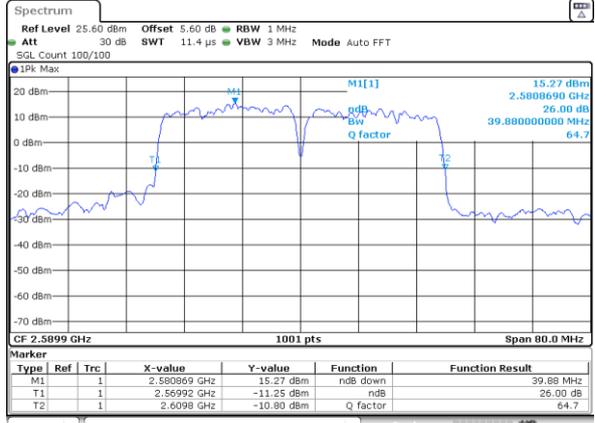
64QAM

Lowest Channel / 15MHz+15MHz



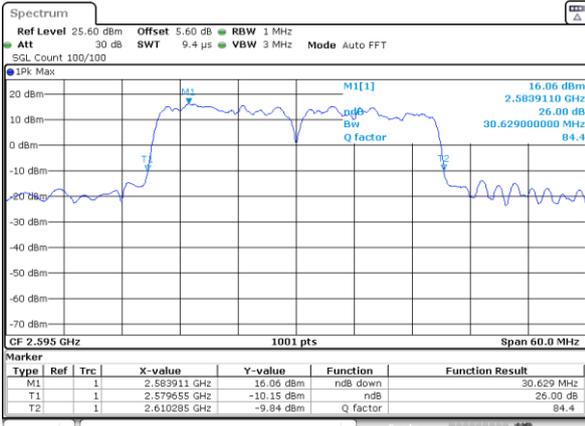
Date: 8.AUG.2020 16:36:47

Lowest Channel / 20MHz+20MHz



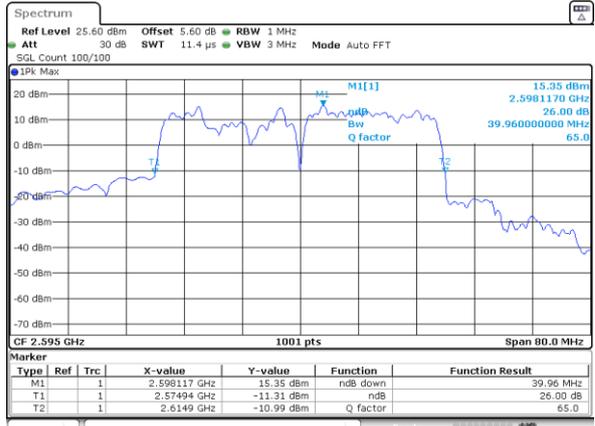
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Middle Channel / 15MHz+15MHz



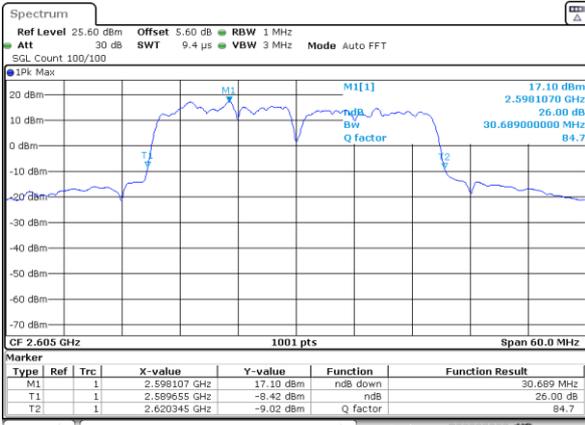
Date: 8.AUG.2020 16:42:24

Middle Channel / 20MHz+20MHz



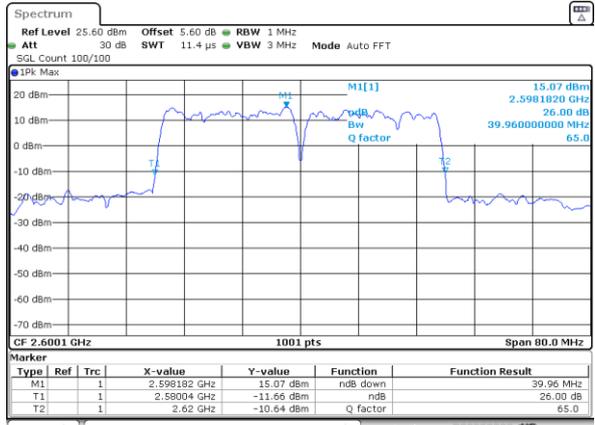
Date: 8.AUG.2020 15:23:04

Highest Channel / 15MHz+15MHz



Date: 8.AUG.2020 16:43:32

Highest Channel / 20MHz+20MHz



Date: 8.AUG.2020 15:28:35



Occupied Bandwidth

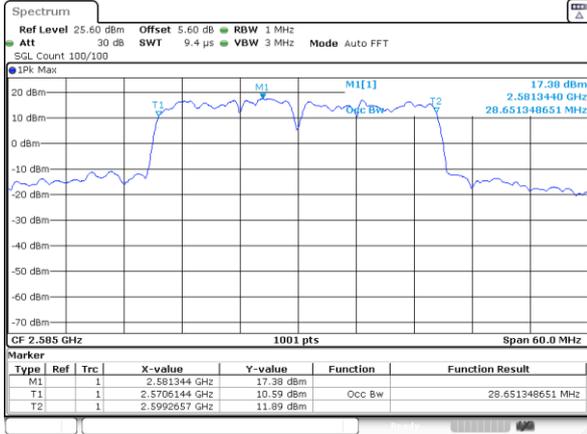
Mode	LTE Band 38C : 99%OBW(MHz)		
	QPSK	16QAM	64QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Lowest CH	28.65	28.65	28.59
Middle CH	28.65	28.77	28.59
Highest CH	28.89	28.59	28.35
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Lowest CH	37.48	37.80	37.72
Middle CH	37.56	37.64	37.88
Highest CH	37.40	37.64	37.48



LTE Band 38C

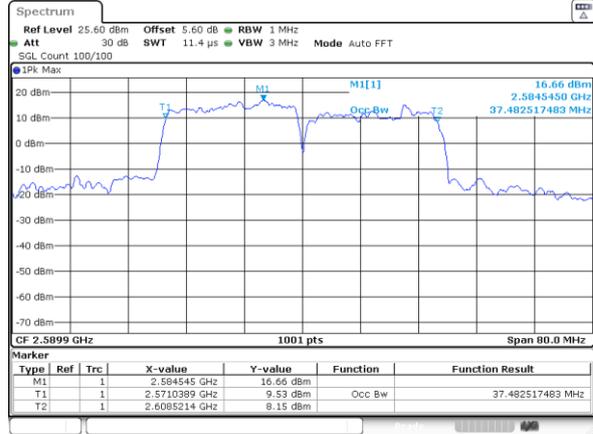
QPSK

Lowest Channel / 15MHz+15MHz



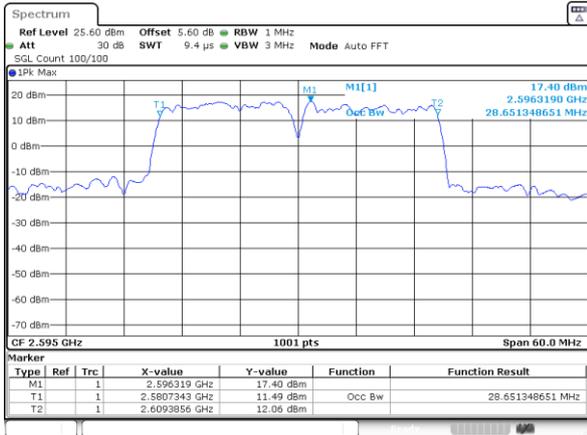
Date: 8.AUG.2020 16:35:24

Lowest Channel / 20MHz+20MHz



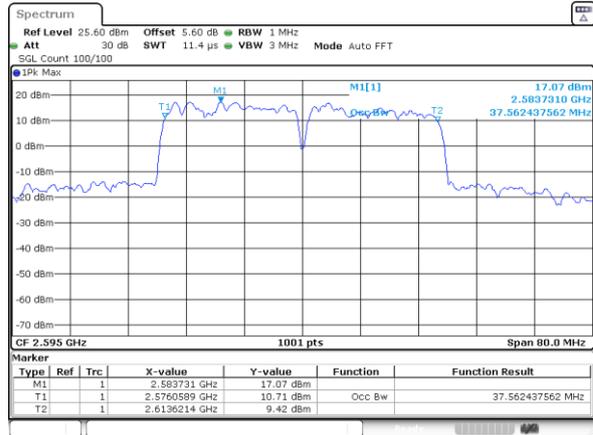
Date: 8.AUG.2020 15:09:42

Middle Channel / 15MHz+15MHz



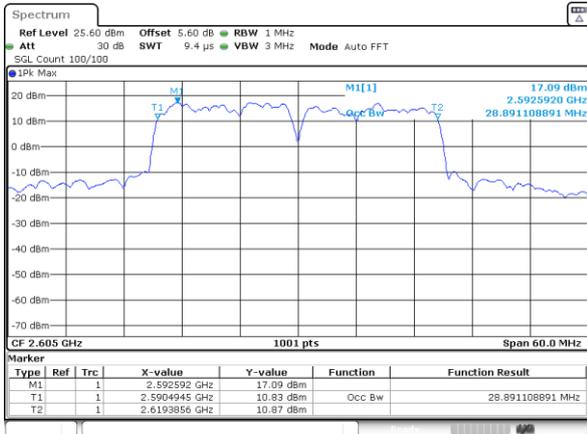
Date: 8.AUG.2020 16:49:24

Middle Channel / 20MHz+20MHz



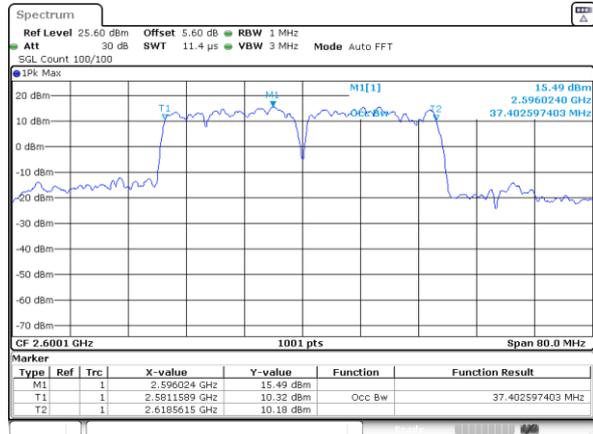
Date: 8.AUG.2020 15:24:25

Highest Channel / 15MHz+15MHz



Date: 8.AUG.2020 16:44:58

Highest Channel / 20MHz+20MHz



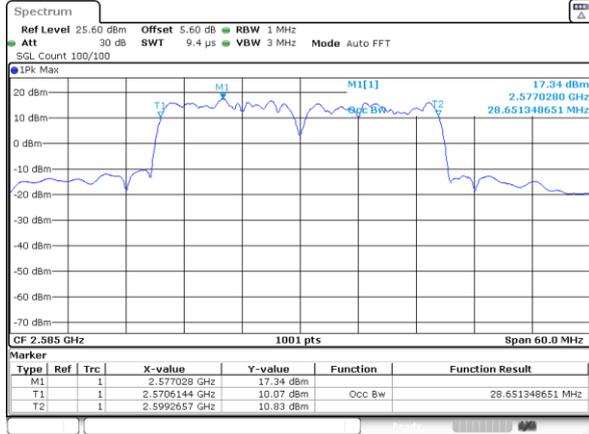
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LTE Band 38C

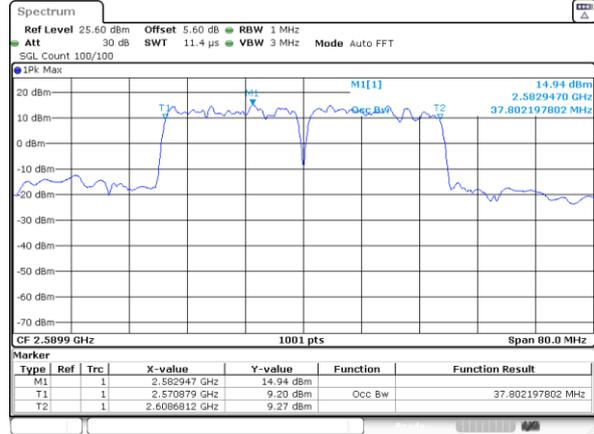
16QAM

Lowest Channel / 15MHz+15MHz



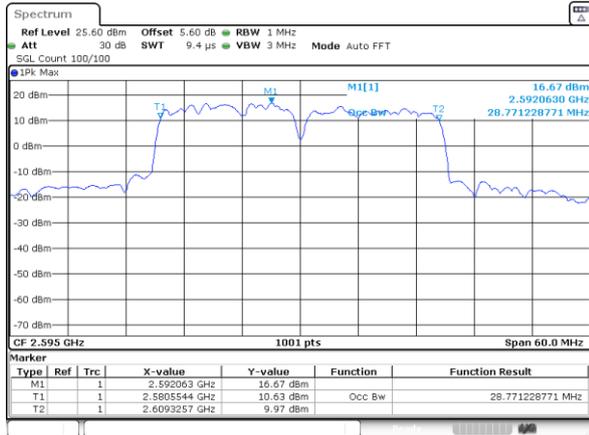
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Lowest Channel / 20MHz+20MHz



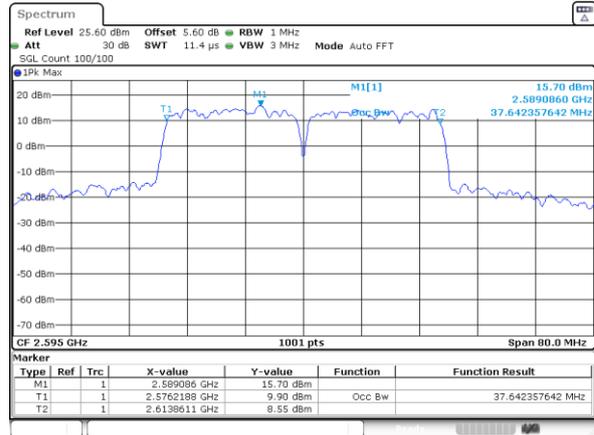
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Middle Channel / 15MHz+15MHz



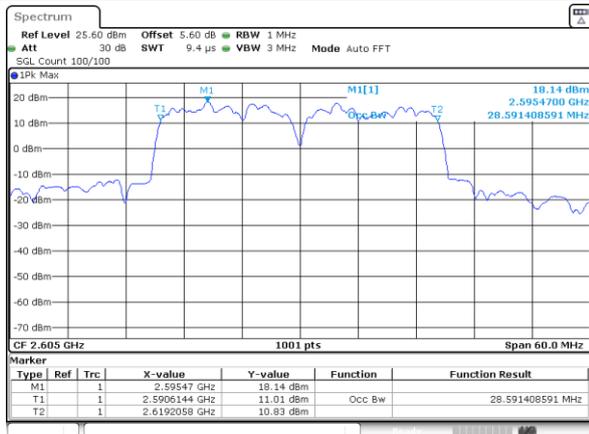
Date: 8.AUG.2020 16:41:43

Middle Channel / 20MHz+20MHz



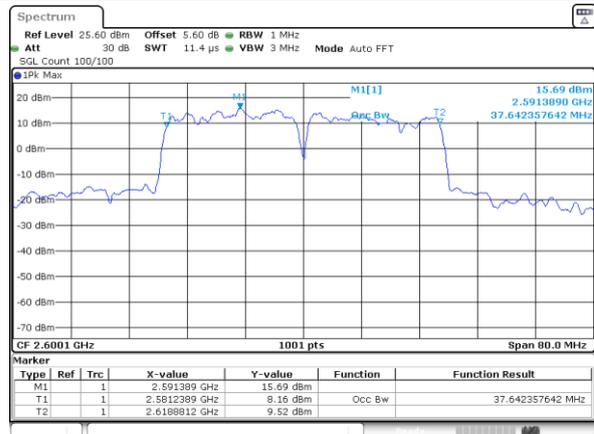
Date: 8.AUG.2020 15:23:40

Highest Channel / 15MHz+15MHz



Date: 8.AUG.2020 16:44:12

Highest Channel / 20MHz+20MHz



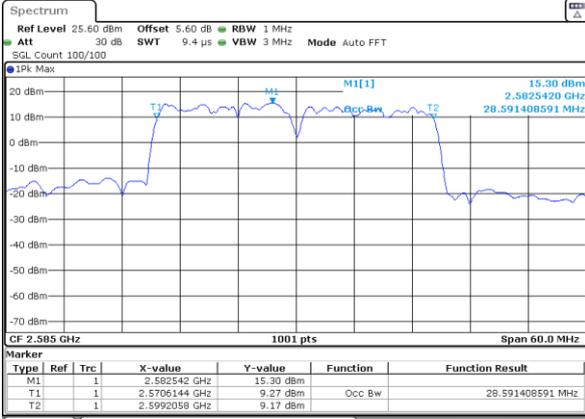
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LTE Band 38C

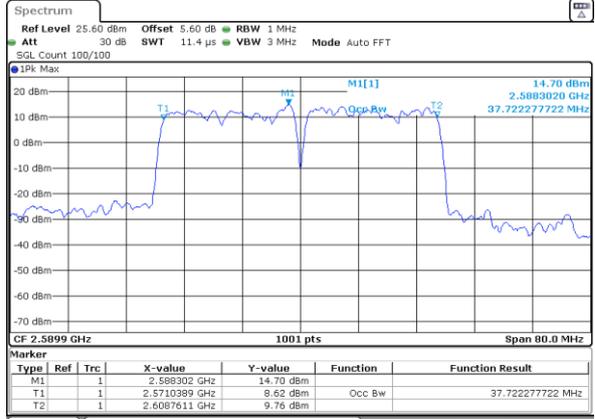
64QAM

Lowest Channel / 15MHz+15MHz



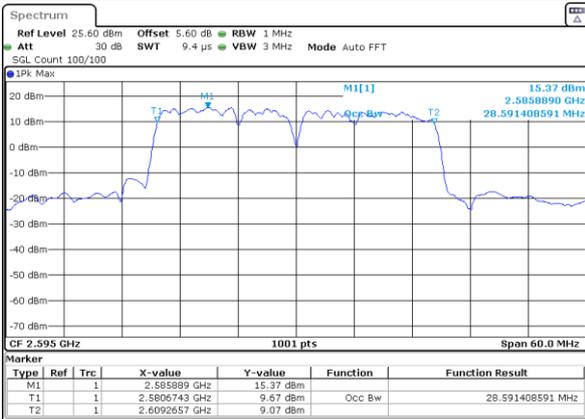
Date: 8.AUG.2020 16:36:39

Lowest Channel / 20MHz+20MHz



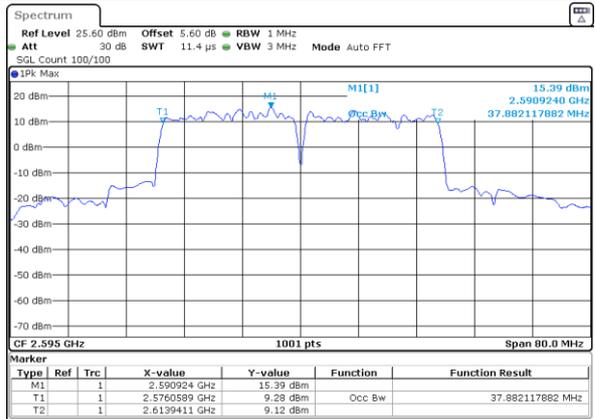
Date: 8.AUG.2020 15:18:25

Middle Channel / 15MHz+15MHz



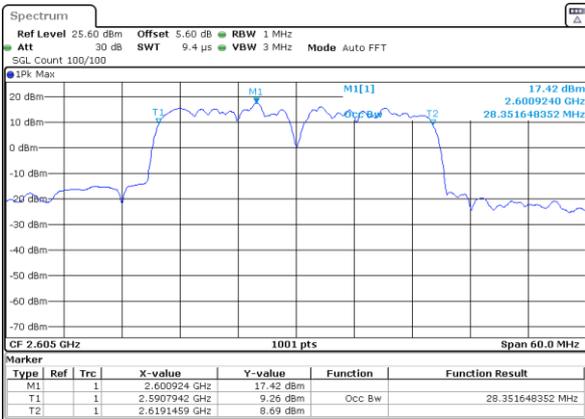
Date: 8.AUG.2020 16:42:13

Middle Channel / 20MHz+20MHz



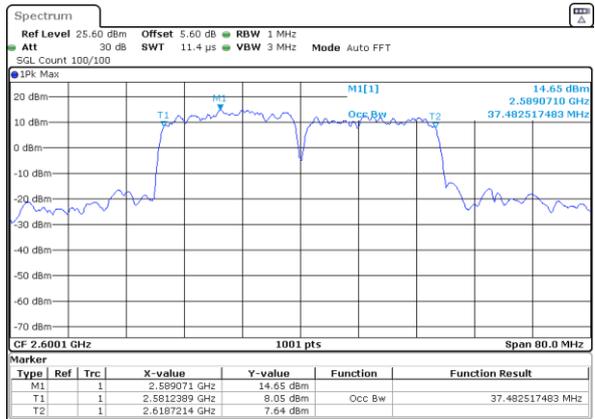
Date: 8.AUG.2020 15:22:29

Highest Channel / 15MHz+15MHz



Date: 8.AUG.2020 16:43:24

Highest Channel / 20MHz+20MHz



Date: 8.AUG.2020 15:28:27



Conducted Band Edge

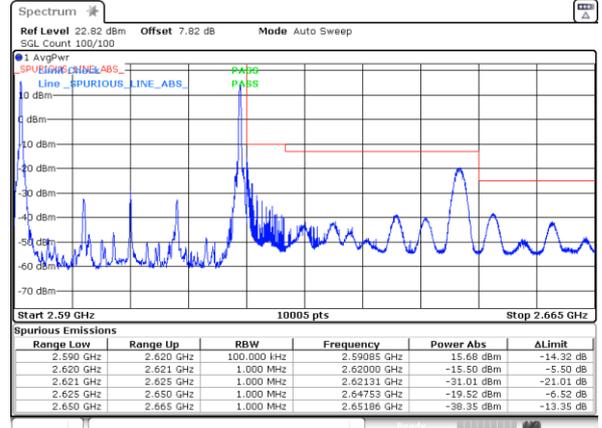
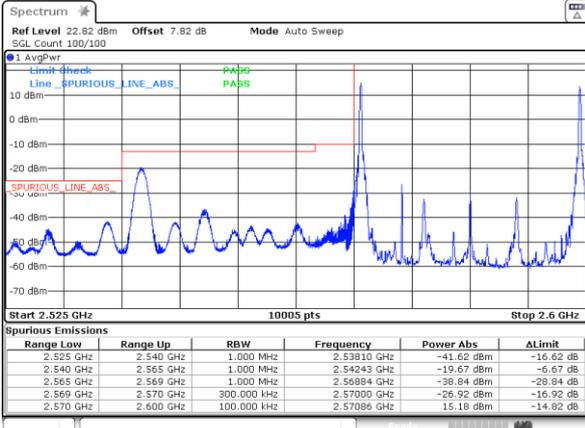


LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

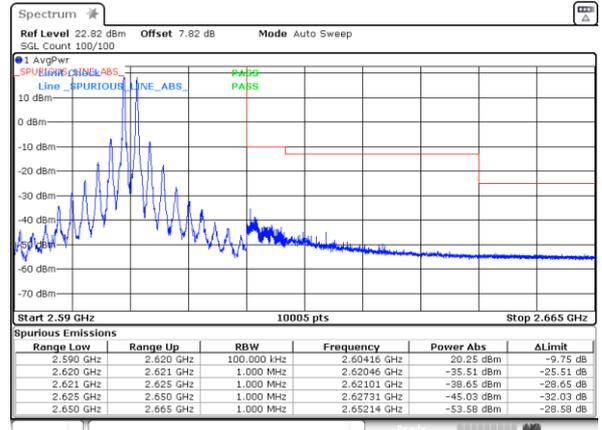
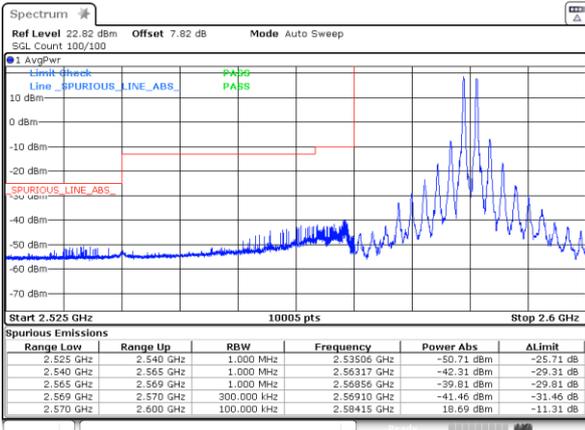


Date: 8.AUG.2020 17:02:30

Date: 8.AUG.2020 17:28:58

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

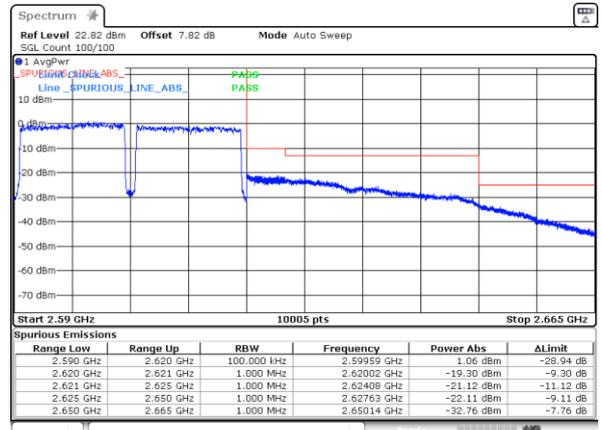
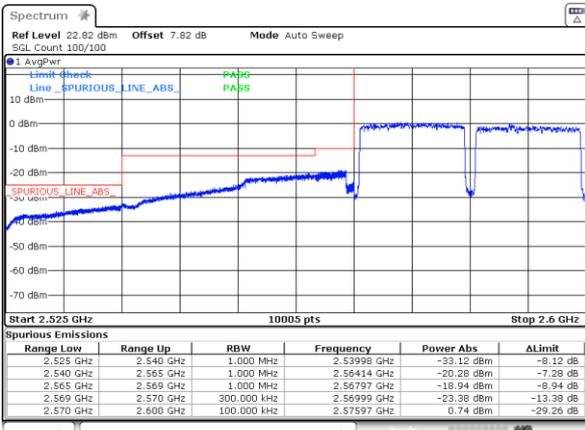


Date: 8.AUG.2020 17:06:47

Date: 8.AUG.2020 17:29:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.AUG.2020 16:51:59

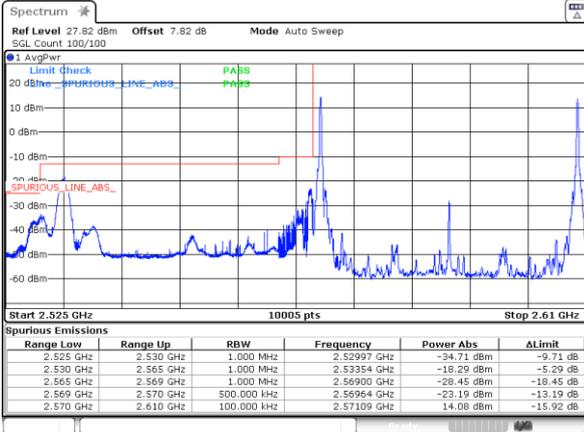
Date: 8.AUG.2020 17:25:46



LTE Band 38C / 20MHz+20MHz

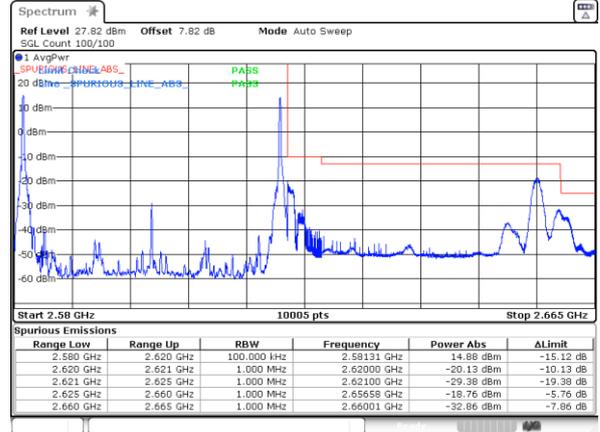
QPSK

Lowest Band Edge / 1RB0 and 1RB9



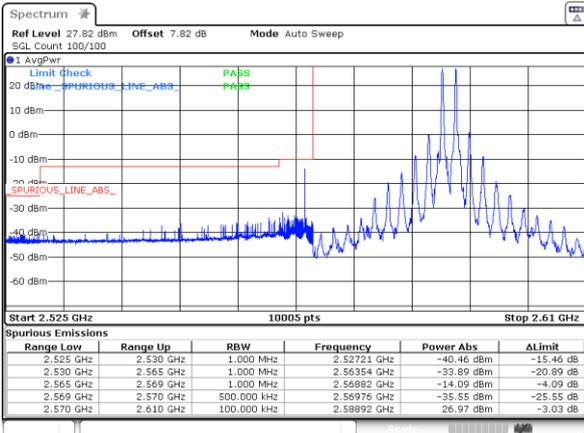
Date: 8.AUG.2020 16:01:19

Highest Band Edge / 1RB0 and 1RB9



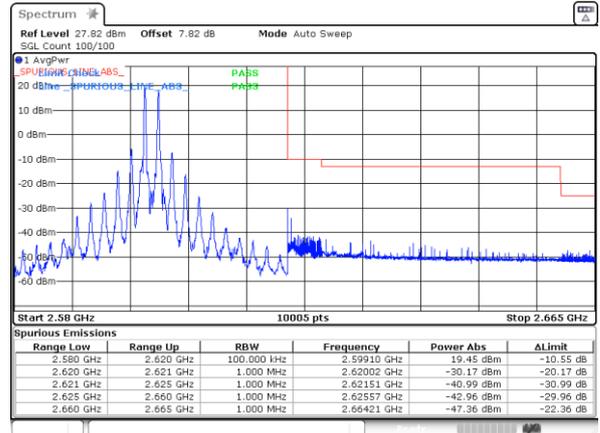
Date: 8.AUG.2020 16:29:24

Lowest Band Edge / 1RB99 and 1RB0



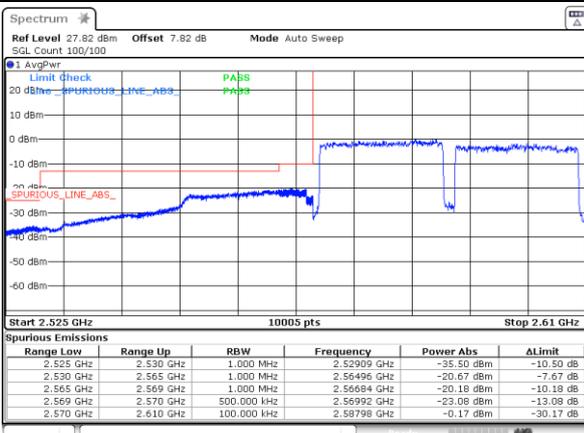
Date: 8.AUG.2020 16:11:42

Highest Band Edge / 1RB99 and 1RB0



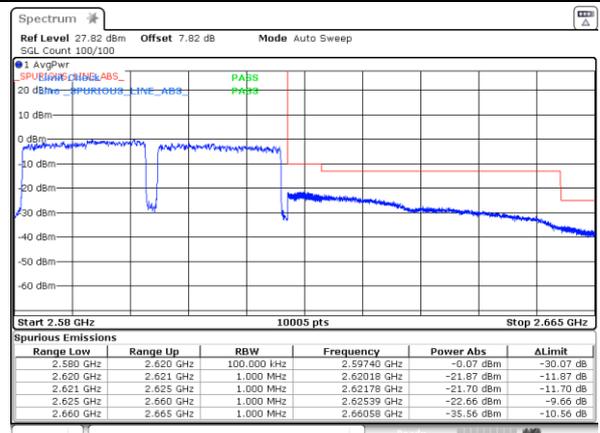
Date: 8.AUG.2020 16:30:40

Lowest Band Edge / Full RB



Date: 8.AUG.2020 16:02:15

Highest Band Edge / Full RB



Date: 8.AUG.2020 16:24:43

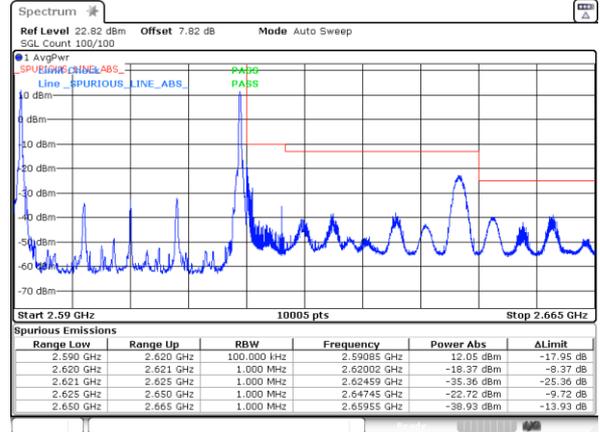
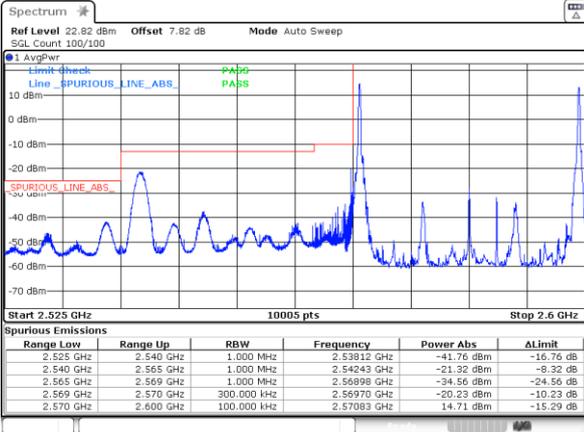


LTE Band 38C / 15MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

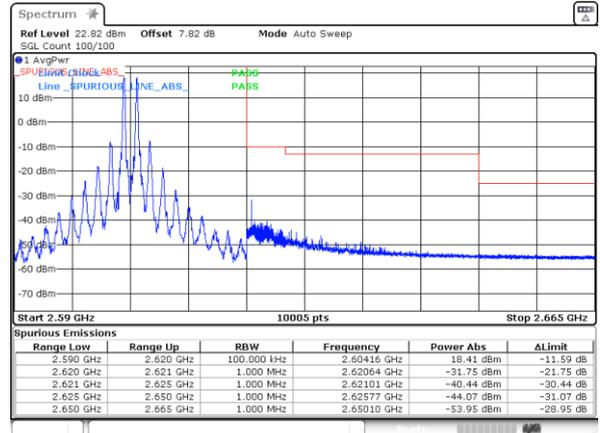
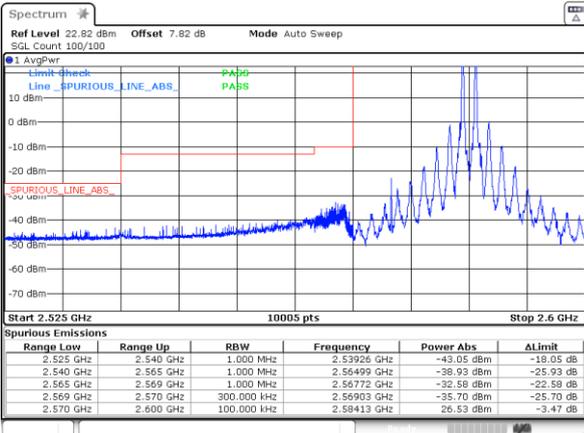


Date: 8.AUG.2020 17:03:08

Date: 8.AUG.2020 17:28:19

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

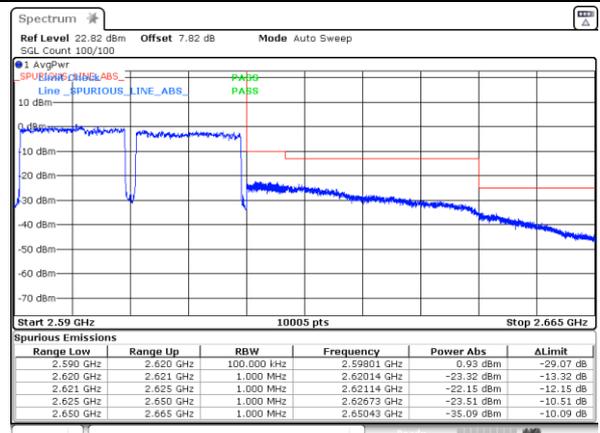
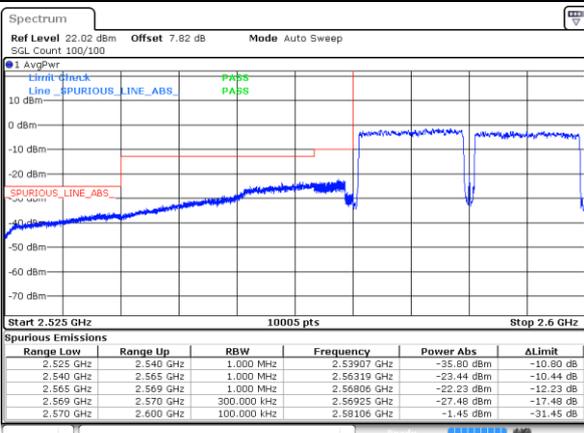


Date: 8.AUG.2020 17:32:36

Date: 8.AUG.2020 17:30:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.AUG.2020 15:16:36

Date: 8.AUG.2020 17:26:19

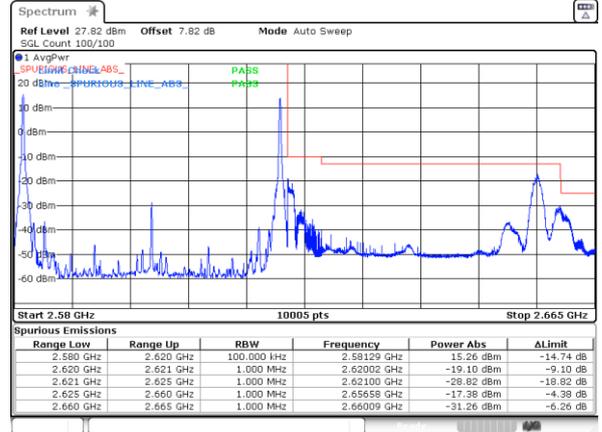
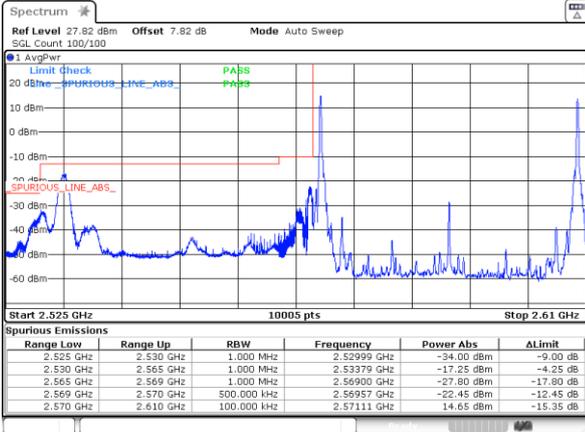


LTE Band 38C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

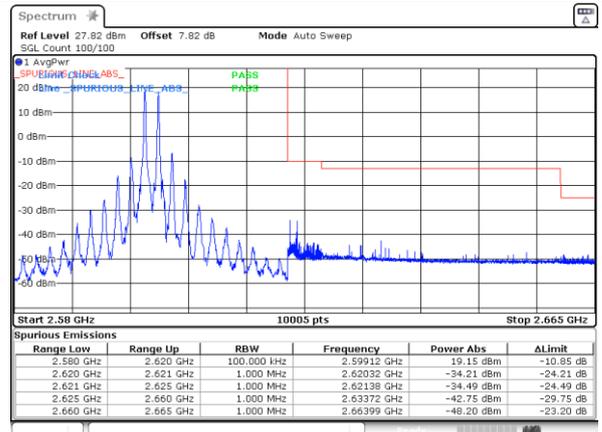
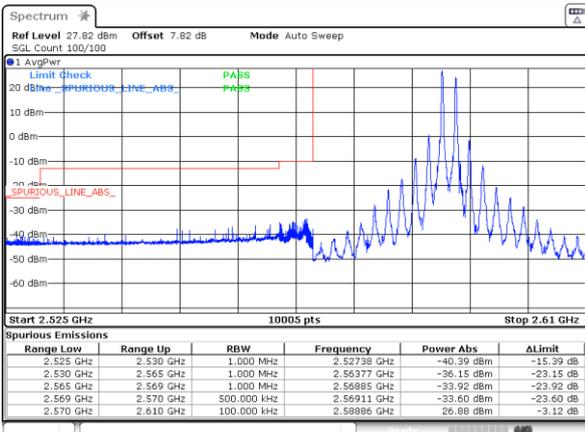


Date: 8.AUG.2020 16:00:41

Date: 8.AUG.2020 16:28:31

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

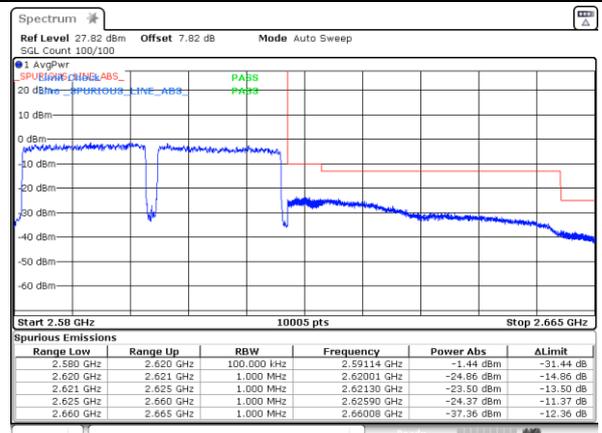
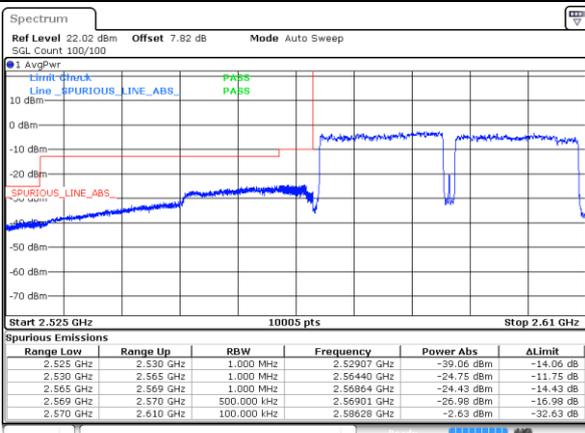


Date: 8.AUG.2020 16:11:04

Date: 8.AUG.2020 16:31:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.AUG.2020 15:48:52

Date: 8.AUG.2020 16:25:57

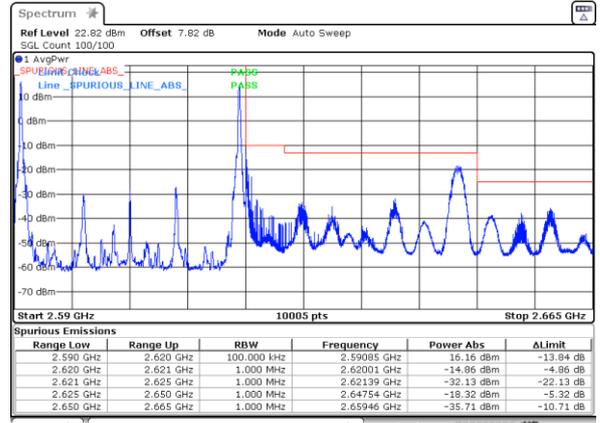
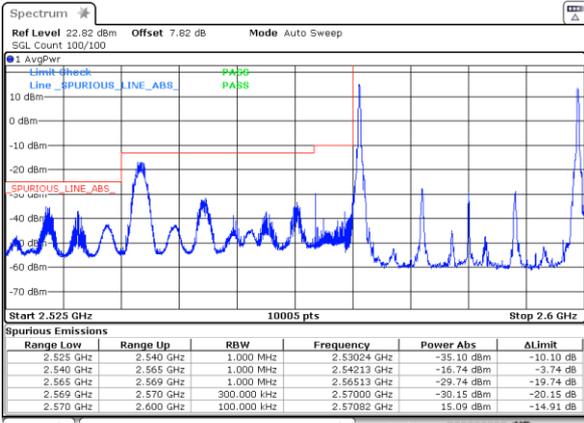


LTE Band 38C / 15MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

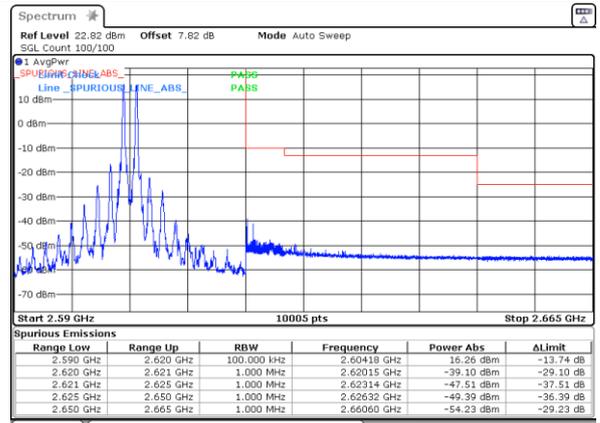
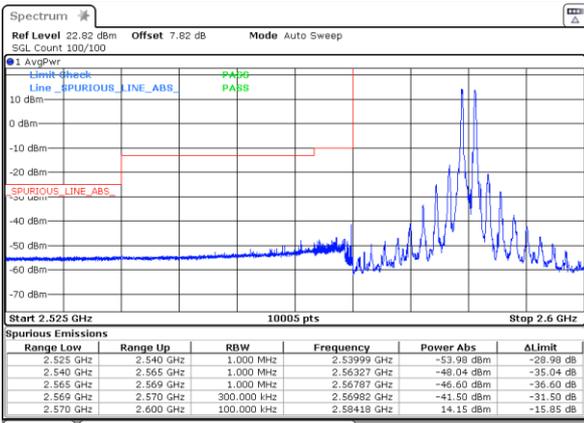


Date: 8.AUG.2020 17:04:15

Date: 8.AUG.2020 17:21:48

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

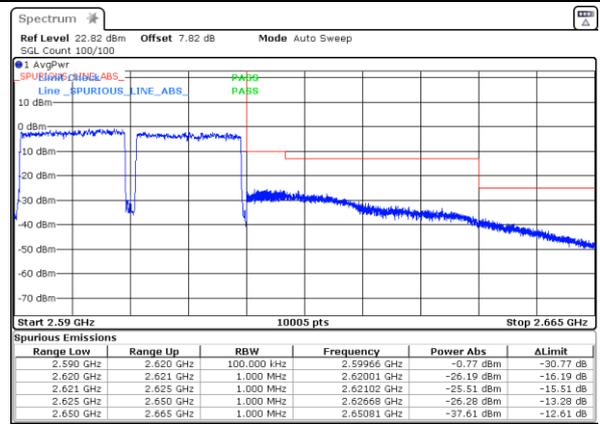
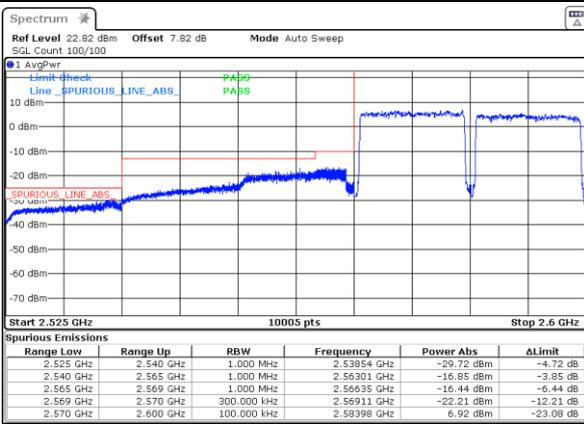


Date: 8.AUG.2020 17:05:00

Date: 8.AUG.2020 17:30:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.AUG.2020 16:53:55

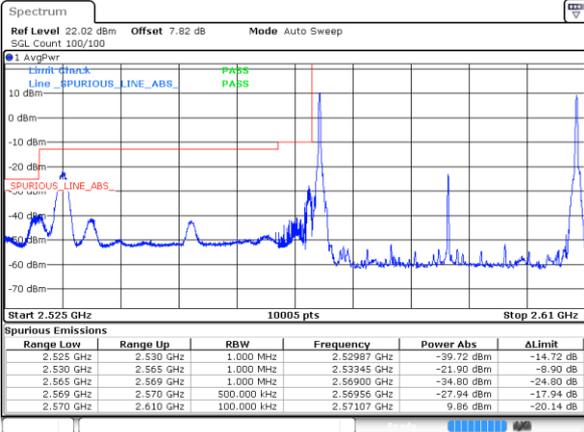
Date: 8.AUG.2020 17:27:00



LTE Band 38C / 20MHz+20MHz

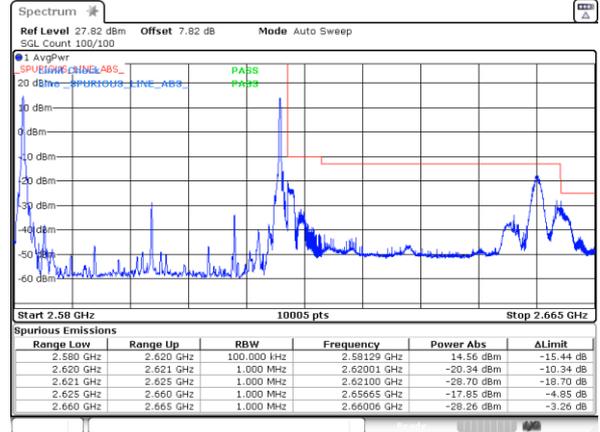
64QAM

Lowest Band Edge / 1RB0 and 1RB9



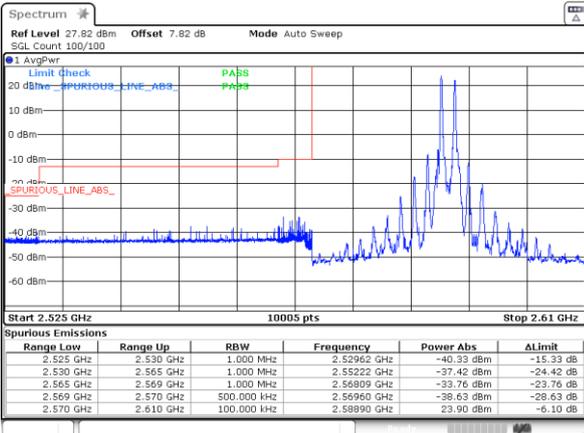
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Highest Band Edge / 1RB0 and 1RB9



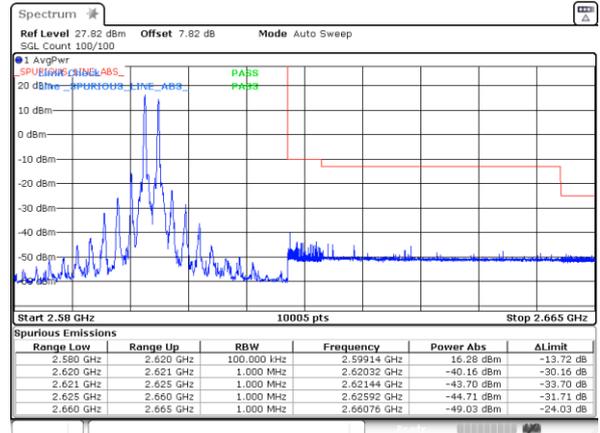
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Lowest Band Edge / 1RB99 and 1RB0



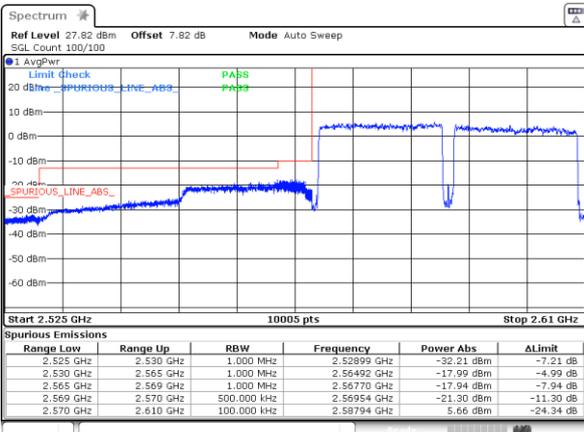
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Highest Band Edge / 1RB99 and 1RB0



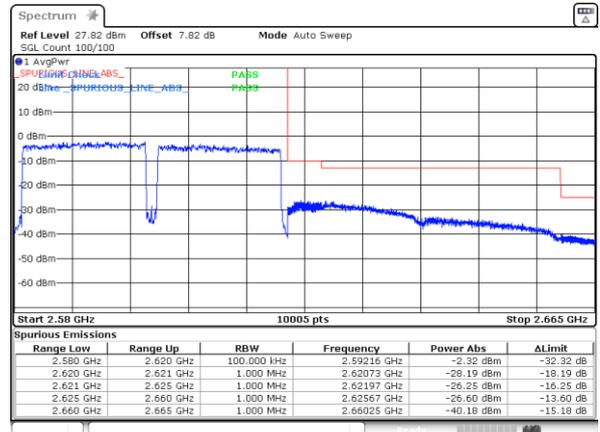
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Lowest Band Edge / Full RB



Date: 8 AUG 2020 16:03:40

Highest Band Edge / Full RB



Date: 8 AUG 2020 16:26:52



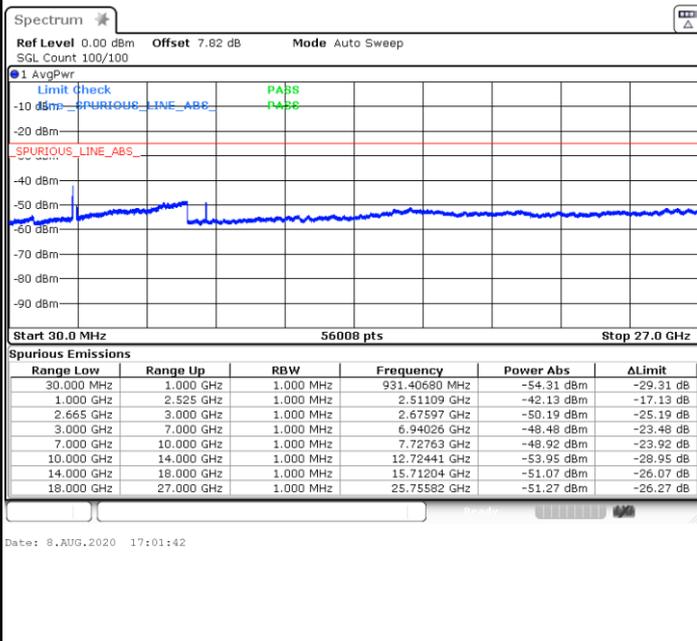
Conducted Spurious Emission



LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB

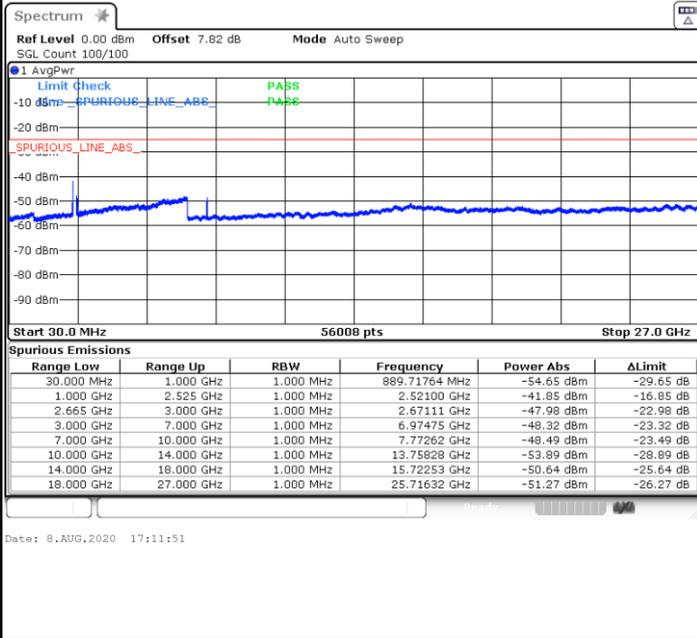




LTE Band 38C / 15MHz+15MHz

QPSK

Middle Channel / 1RB

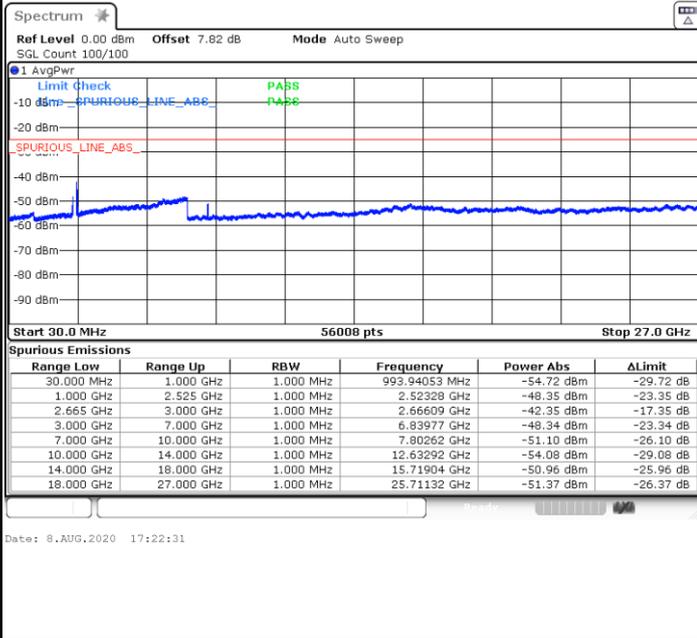




LTE Band 38C / 15MHz+15MHz

QPSK

Highest Channel / 1RB

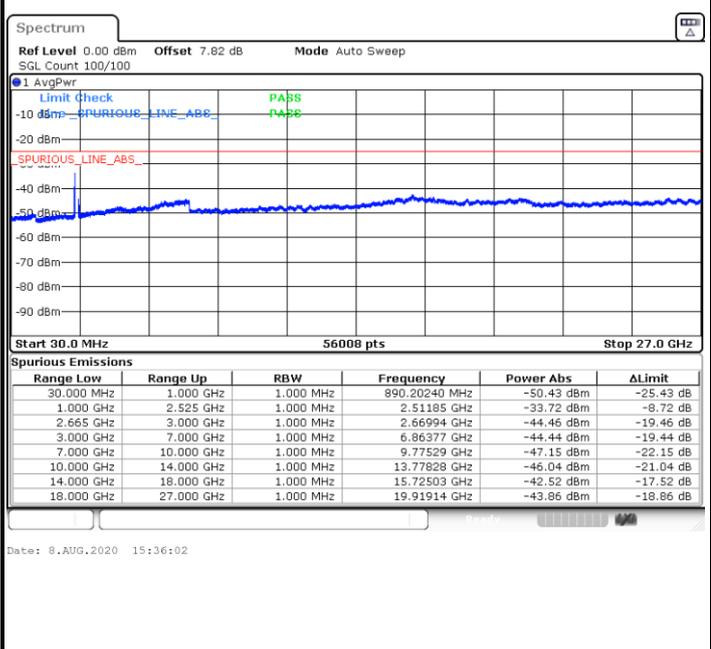




LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB

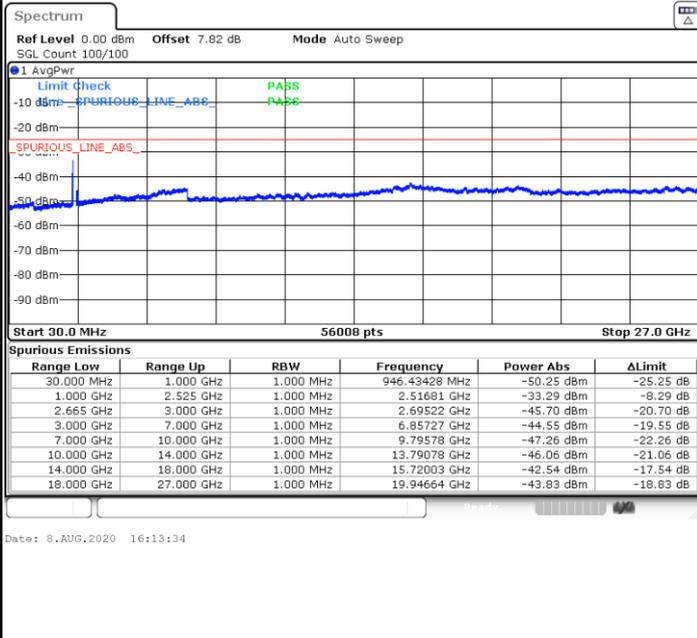




LTE Band 38C / 20MHz+20MHz

QPSK

Middle Channel / 1RB

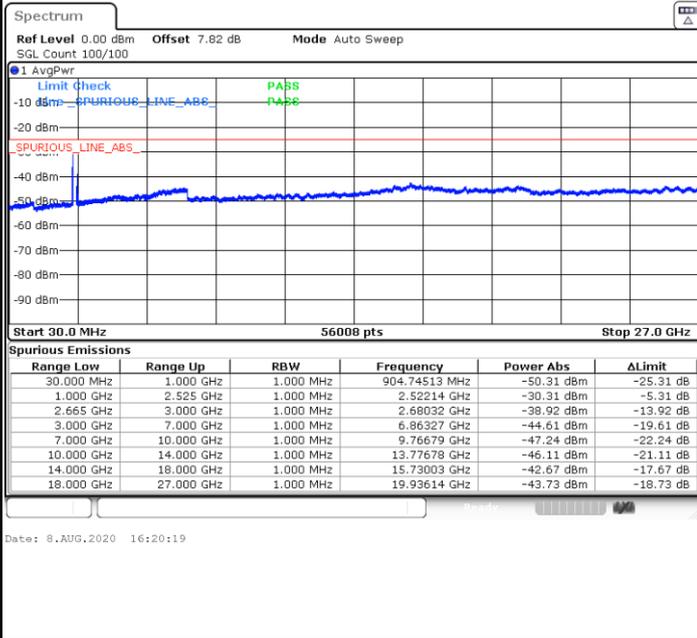




LTE Band 38C / 20MHz+20MHz

QPSK

Highest Channel / 1RB

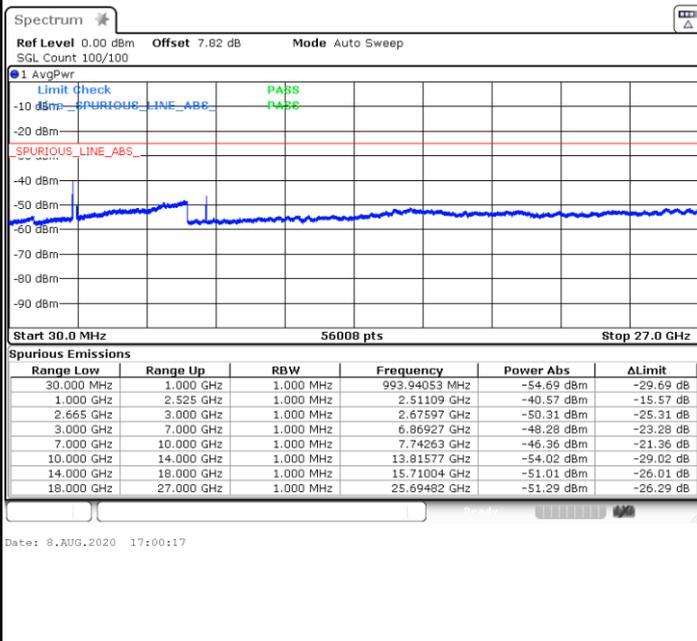




LTE Band 38C / 15MHz+15MHz

16QAM

Lowest Channel / 1RB

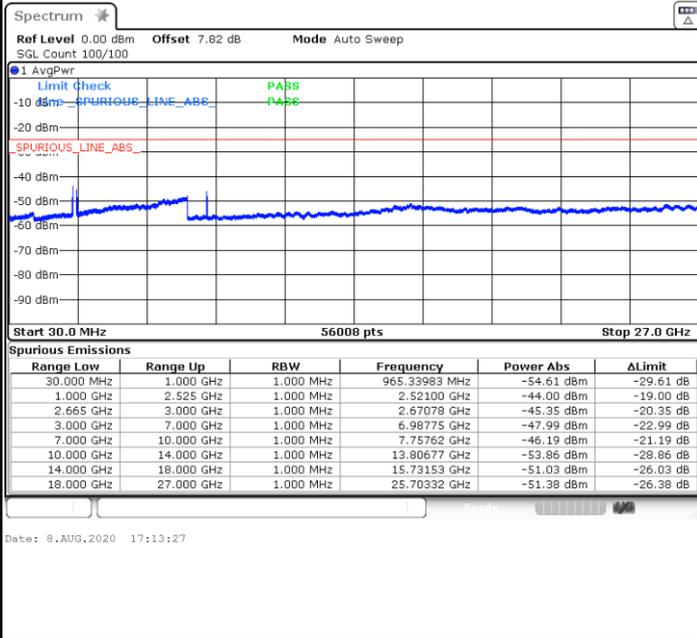




LTE Band 38C / 15MHz+15MHz

16QAM

Middle Channel / 1RB

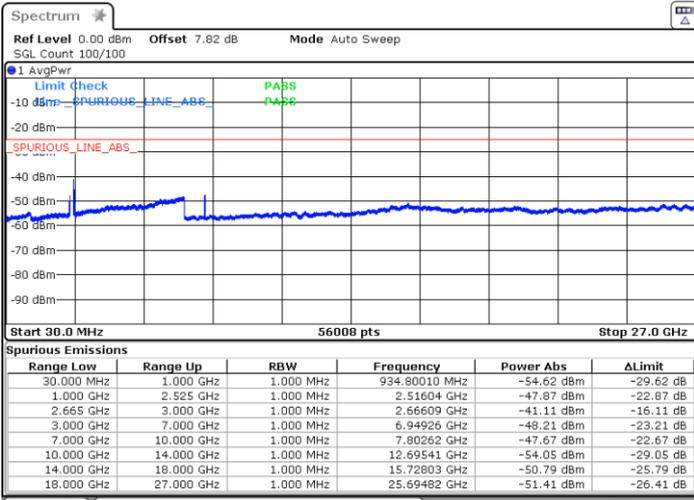




LTE Band 38C / 15MHz+15MHz

16QAM

Highest Channel / 1RB



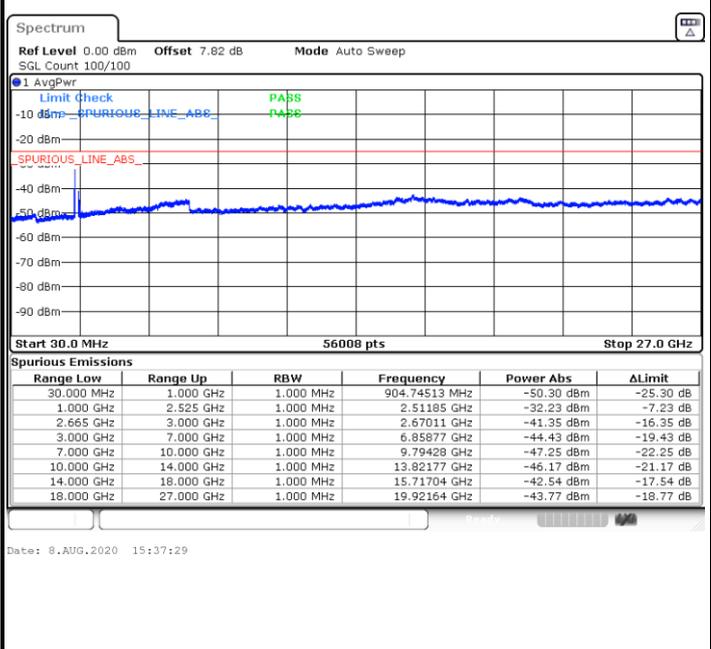
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LTE Band 38C / 20MHz+20MHz

16QAM

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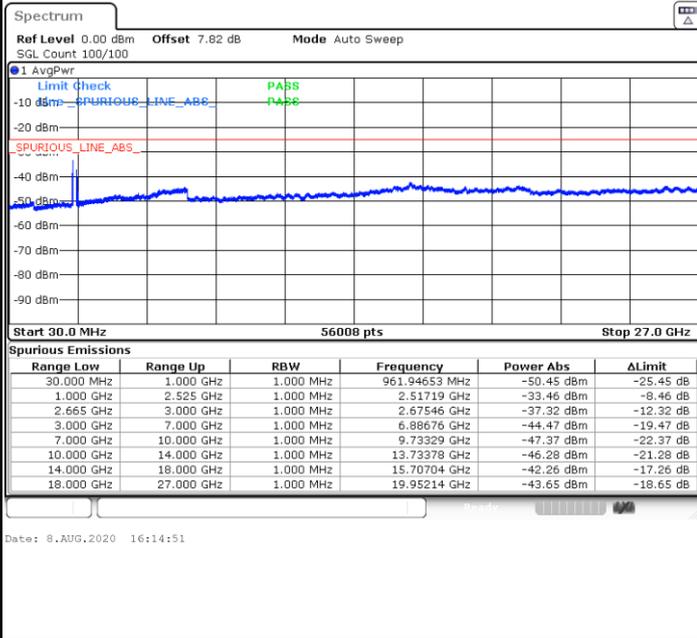




LTE Band 38C / 20MHz+20MHz

16QAM

Middle Channel / 1RB

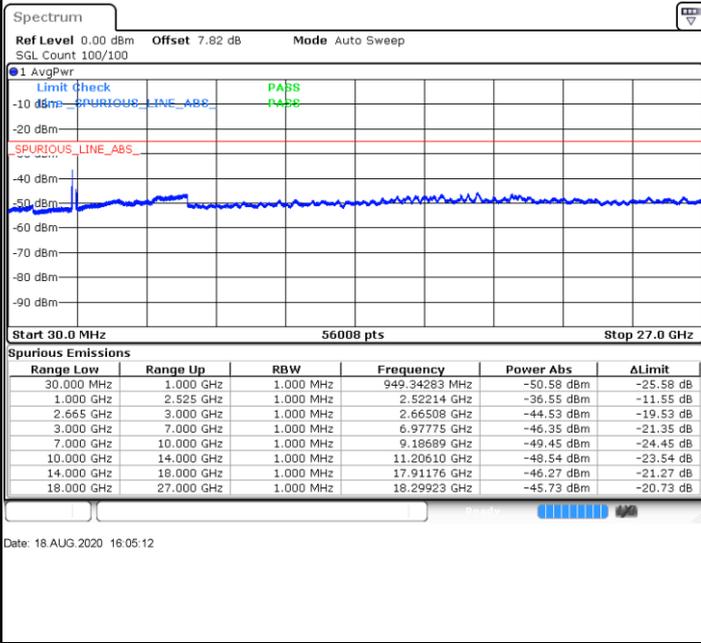




LTE Band 38C / 20MHz+20MHz

16QAM

Highest Channel / 1RB

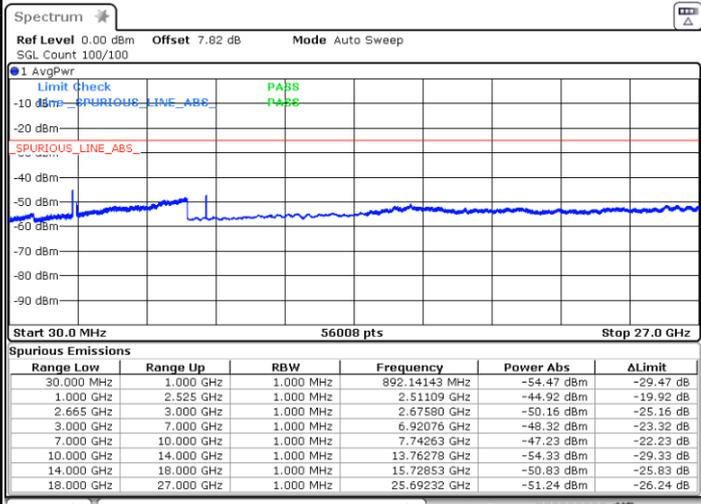




LTE Band 38C / 15MHz+15MHz

64QAM

Lowest Channel / 1RB



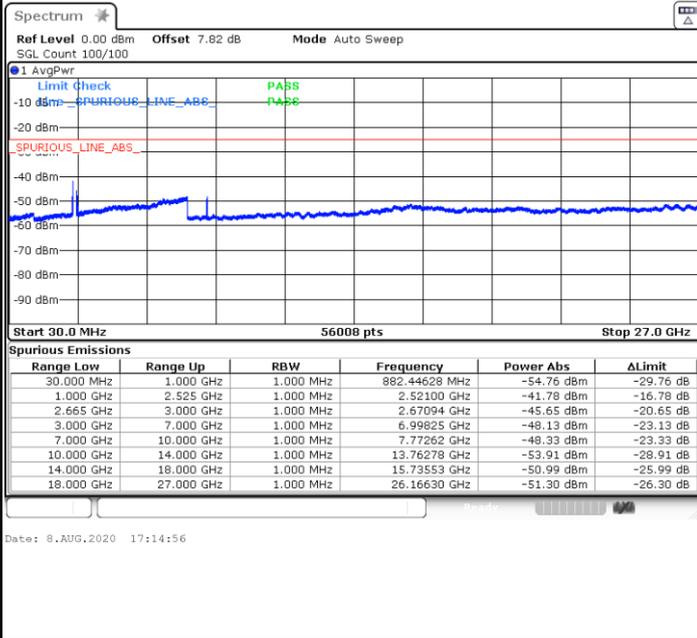
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LTE Band 38C / 15MHz+15MHz

64QAM

Middle Channel / 1RB

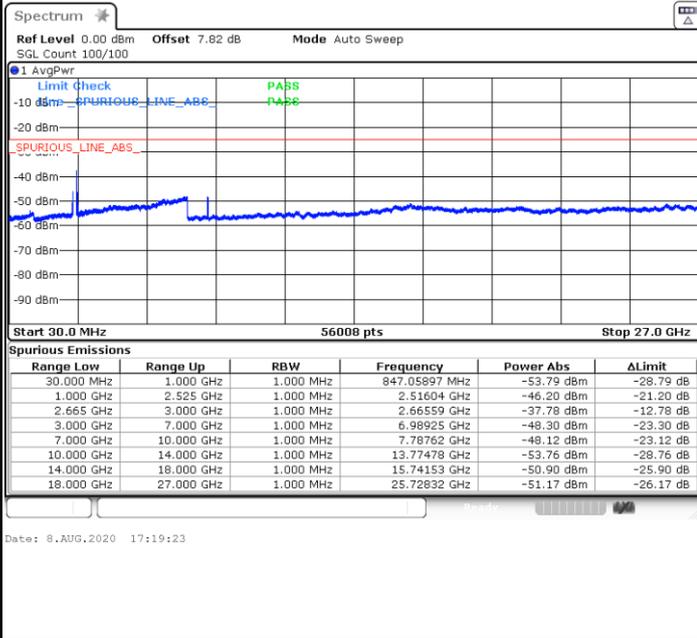




LTE Band 38C / 15MHz+15MHz

64QAM

Highest Channel / 1RB

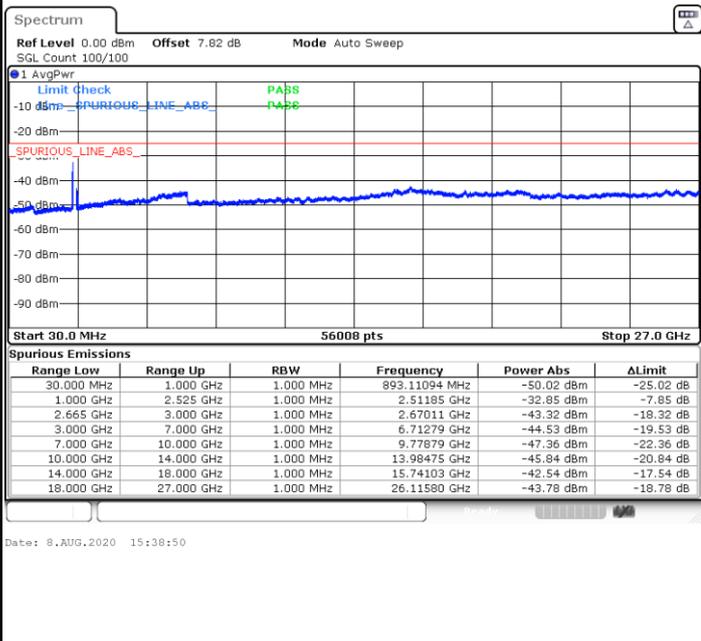




LTE Band 38C / 20MHz+20MHz

64QAM

Lowest Channel / 1RB

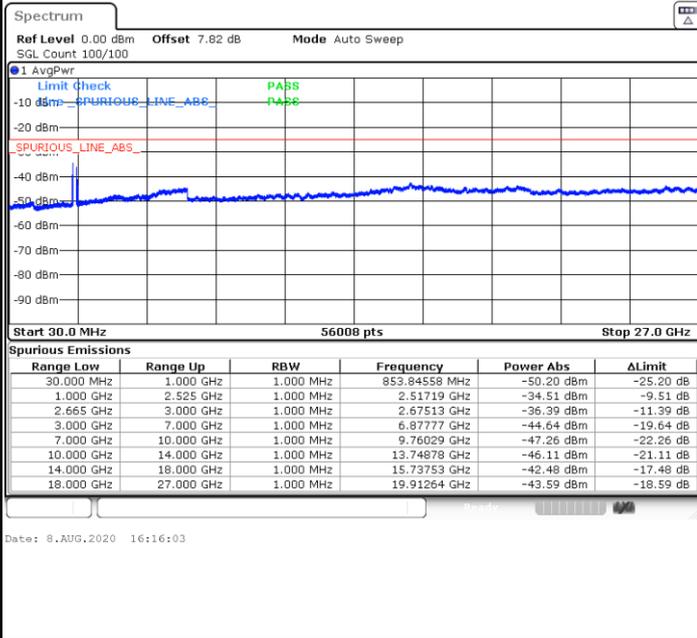




LTE Band 38C / 20MHz+20MHz

64QAM

Middle Channel / 1RB

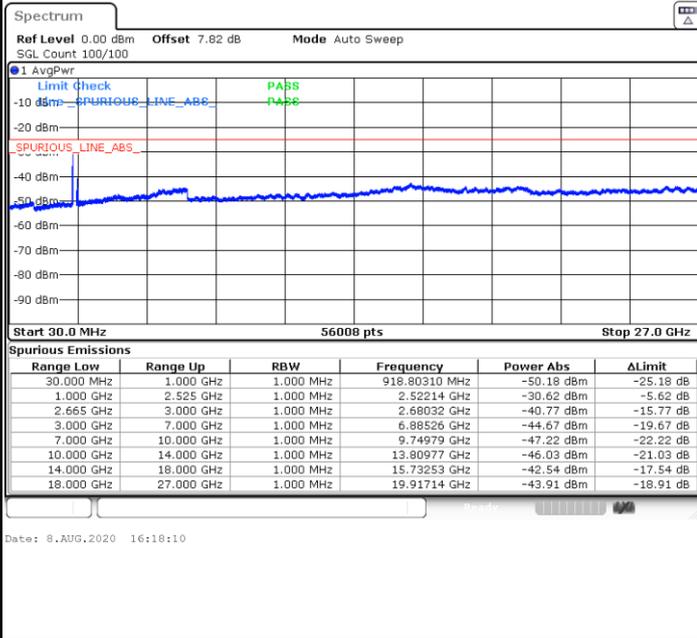




LTE Band 38C / 20MHz+20MHz

64QAM

Highest Channel / 1RB





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Pre-scanned in three orthogonal panels, X, Y, Z for Antennas. The worst cases were recorded in this report.

Antenna 2

LTE Band 2 / 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	3741	-57.36	-13	-44.36	-69.62	2.64	14.90	H
	5613	-51.59	-13	-38.59	-63.45	2.94	14.80	H
	7488	-48.44	-13	-35.44	-58.21	3.39	13.16	H
	3741	-57.46	-13	-44.46	-69.72	2.64	14.90	V
	5613	-53.63	-13	-40.63	-65.49	2.94	14.80	V
	7488	-48.28	-13	-35.28	-58.05	3.39	13.16	V

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

Antenna 1

LTE Band 4 / 20MHz / 16QAM								
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	3447	-60.76	-13	-47.76	-71.50	2.604	13.34	H
	5172	-54.02	-13	-41.02	-64.53	3.011	13.52	H
	6900	-50.84	-13	-37.84	-61.04	3.271	13.47	H
	3447	-60.43	-13	-47.43	-71.17	2.604	13.34	V
	5172	-53.28	-13	-40.28	-63.79	3.011	13.52	V
	6900	-50.37	-13	-37.37	-60.57	3.271	13.47	V

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

Antenna 1

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	-67.47	-13	-54.47	-74.44	1.58	10.70	H
	2496	-64.40	-13	-51.40	-72.65	2.102	12.50	H
	3330	-62.65	-13	-49.65	-71.54	2.856	13.90	H
	1664	-67.11	-13	-54.11	-74.08	1.58	10.70	V
	2496	-62.47	-13	-49.47	-70.72	2.10	12.50	V
	3330	-62.44	-13	-49.44	-71.33	2.86	13.90	V

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



Antenna 1

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	-65.16	-25	-40.16	-75.37	3.03	13.24	H
	7580	-60.67	-25	-35.67	-70.12	3.56	13.01	H
	10100	-57.35	-25	-32.35	-66.87	3.92	13.44	H
	12630	-53.80	-25	-28.80	-63.72	4.44	14.36	H
	5052	-65.43	-25	-40.43	-75.64	3.03	13.24	V
	7580	-60.39	-25	-35.39	-69.84	3.56	13.01	V
	10100	-57.15	-25	-32.15	-66.67	3.92	13.44	V
	12630	-54.32	-25	-29.32	-64.24	4.44	14.36	V

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

Antenna 1

LTE Band 41 / 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	5168	-64.72	-25	-39.72	-74.93	3.03	13.24	H
	7752	-59.95	-25	-34.95	-69.40	3.56	13.01	H
	10340	-56.74	-25	-31.74	-66.26	3.92	13.44	H
	5168	-64.66	-25	-39.66	-74.87	3.03	13.24	V
	7752	-59.86	-25	-34.86	-69.31	3.56	13.01	V
	10340	-56.49	-25	-31.49	-66.01	3.92	13.44	V

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

Antenna 1

LTE Band 7C_CA / 20MHz+20MHz / 16QAM								
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	-65.58	-25	-40.58	-75.79	3.03	13.24	H
	7548	-60.96	-25	-35.96	-70.41	3.56	13.01	H
	10060	-57.50	-25	-32.50	-67.02	3.92	13.44	H
	12580	-53.30	-25	-28.30	-62.82	3.92	13.44	H
	5032	-65.37	-25	-40.37	-75.58	3.03	13.24	V
	7548	-60.40	-25	-35.40	-69.85	3.56	13.01	V
	10060	-57.24	-25	-32.24	-66.76	3.92	13.44	V
	12580	-52.84	-25	-27.84	-62.36	3.92	13.44	V

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



Antenna 1

LTE Band 38C_CA / 20MHz+20MHz / 16QAM								
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	-65.12	-25	-40.12	-75.33	3.03	13.24	H
	7728	-59.96	-25	-34.96	-69.41	3.56	13.01	H
	10300	-56.73	-25	-31.73	-66.25	3.92	13.44	H
	5152	-64.44	-25	-39.44	-74.65	3.03	13.24	V
	7728	-59.34	-25	-34.34	-68.79	3.56	13.01	V
	10300	-56.40	-25	-31.40	-65.92	3.92	13.44	V

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