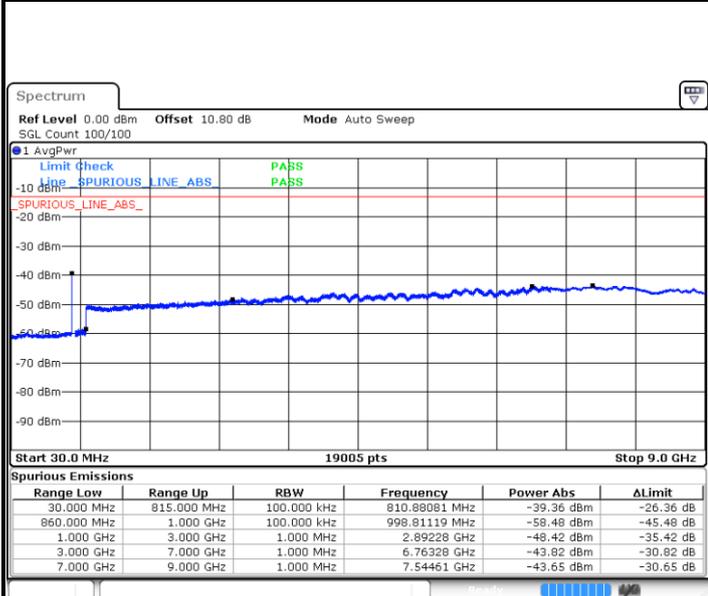




LTE Band 5B / 10MHz+10MHz

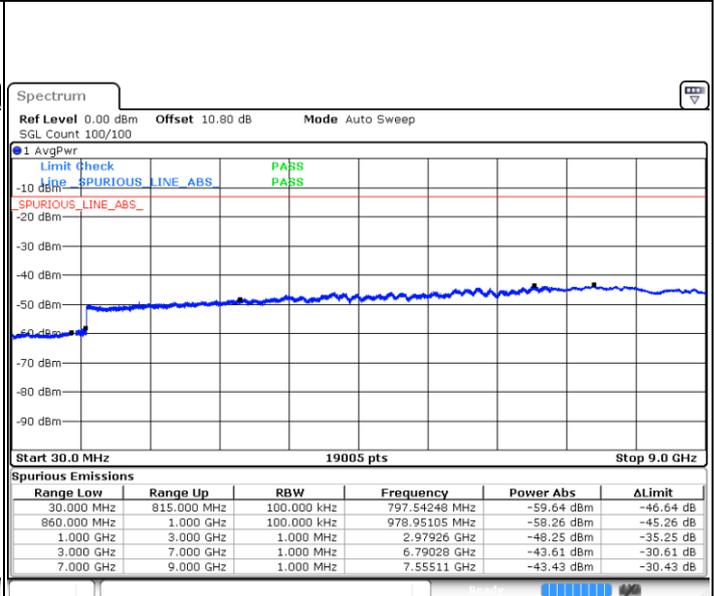
64QAM

Highest Channel / 1RB0 and 1RB49



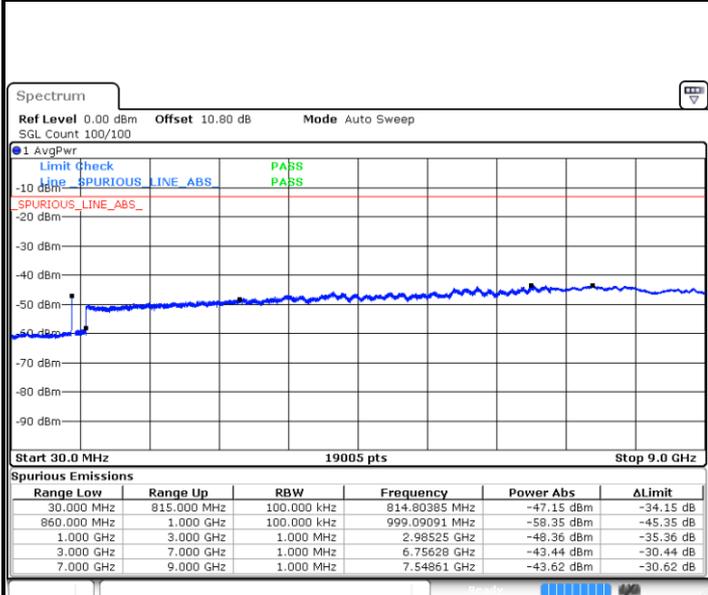
Date: 1.JAN 2020 22:03:56

Highest Channel / 1RB49 and 1RB0



Date: 1.JAN 2020 22:03:05

Highest Channel / FullIRB



Date: 1.JAN 2020 22:08:15

N/A



# LTE Band 7

## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.75	5.10	5.86	PASS
Middle CH	3.57	4.93	4.64	5.83	
Highest CH	3.71	4.55	4.81	5.62	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.32	6.29	-	-	PASS
Middle CH	5.94	6.49	-	-	
Highest CH	6.32	6.38	-	-	



LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 4 JAN 2020 19:06:25

Lowest Channel / Full RB



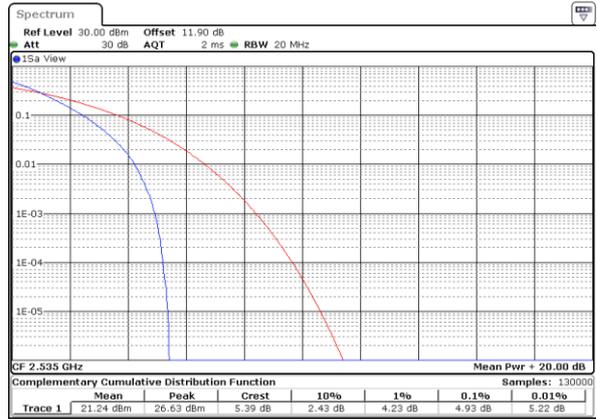
Date: 4 JAN 2020 19:06:36

Middle Channel / 1RB



Date: 4 JAN 2020 19:06:45

Middle Channel / Full RB



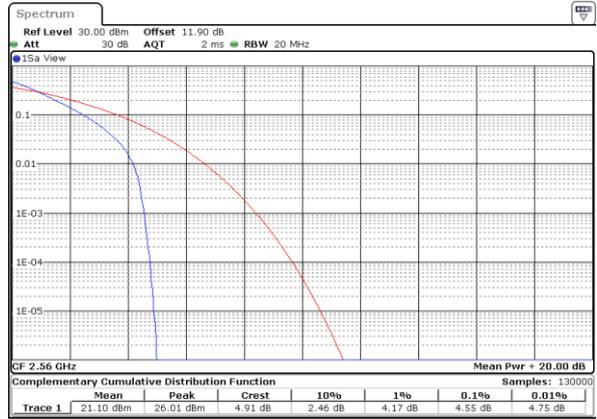
Date: 4 JAN 2020 19:06:55

Highest Channel / 1RB



Date: 4 JAN 2020 19:07:05

Highest Channel / Full RB



Date: 4 JAN 2020 19:07:15



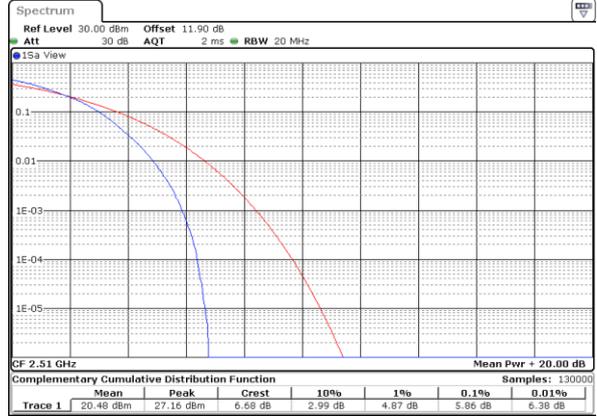
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 4 JAN 2020 19:05:25

Lowest Channel / Full RB



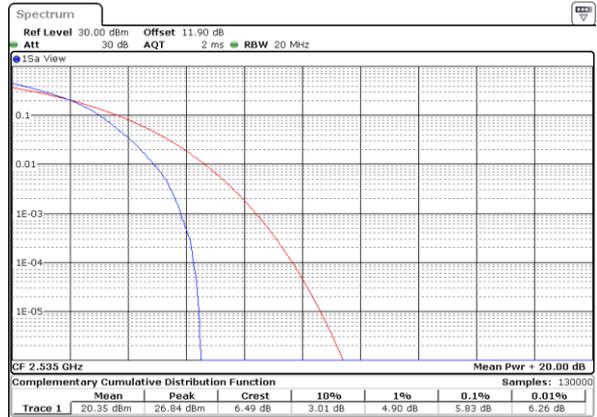
Date: 4 JAN 2020 19:05:35

Middle Channel / 1RB



Date: 4 JAN 2020 19:05:45

Middle Channel / Full RB



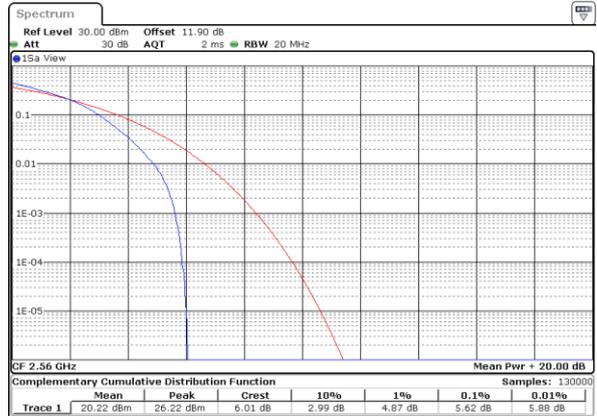
Date: 4 JAN 2020 19:05:55

Highest Channel / 1RB



Date: 4 JAN 2020 19:06:05

Highest Channel / Full RB

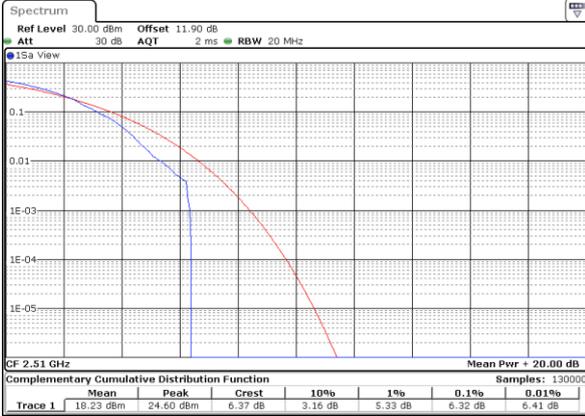


Date: 4 JAN 2020 19:06:15



LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



Date: 4 JAN 2020 19:07:26

Lowest Channel / Full RB



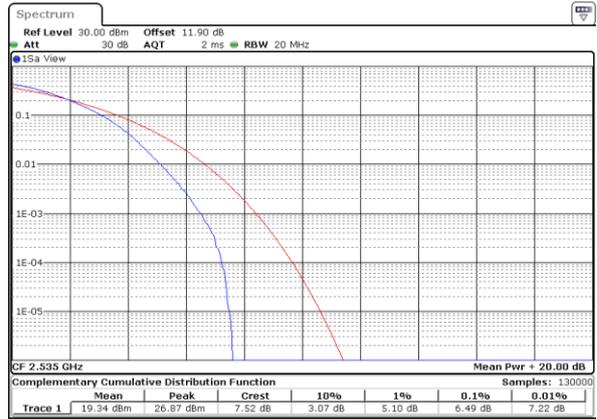
Date: 4 JAN 2020 19:07:36

Middle Channel / 1RB



Date: 4 JAN 2020 19:07:46

Middle Channel / Full RB



Date: 4 JAN 2020 19:07:56

Highest Channel / 1RB



Date: 4 JAN 2020 19:08:06

Highest Channel / Full RB



Date: 4 JAN 2020 19:08:16



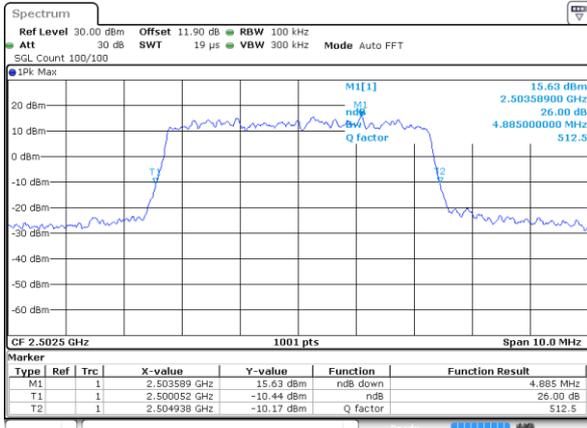
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.89	4.87	9.69	9.61	14.15	14.54	18.90	18.78
Middle CH	-	-	-	-	4.88	4.86	9.63	9.85	14.36	14.36	18.90	19.34
Highest CH	-	-	-	-	4.88	4.81	9.85	9.81	14.45	14.12	18.70	19.06
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.91	-	9.87	-	14.33	-	18.98	-
Middle CH	-	-	-	-	4.89	-	9.65	-	14.60	-	19.22	-
Highest CH	-	-	-	-	4.84	-	9.85	-	14.39	-	18.74	-



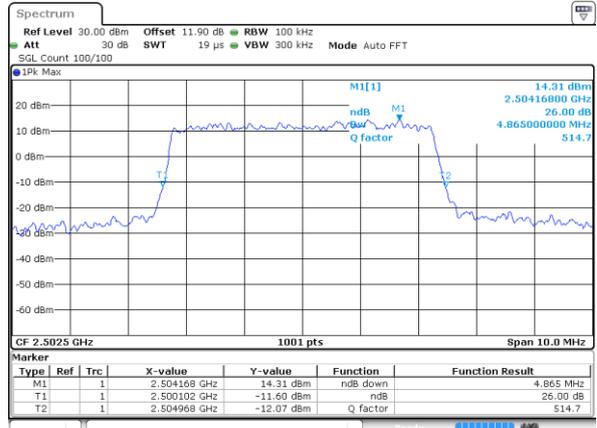
LTE Band 7

Lowest Channel / 5MHz / QPSK



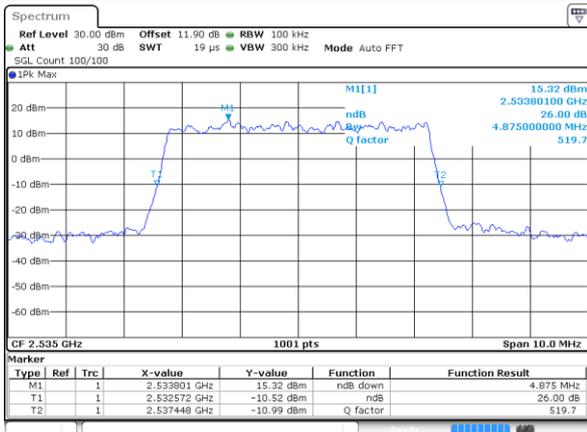
Date: 4 JAN 2020 17:51:57

Lowest Channel / 5MHz / 16QAM



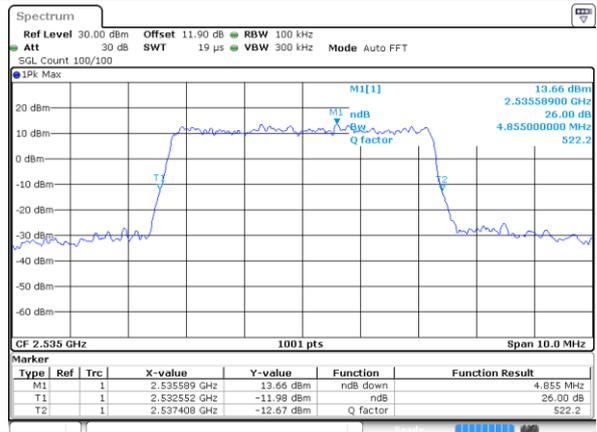
Date: 4 JAN 2020 17:52:09

Middle Channel / 5MHz / QPSK



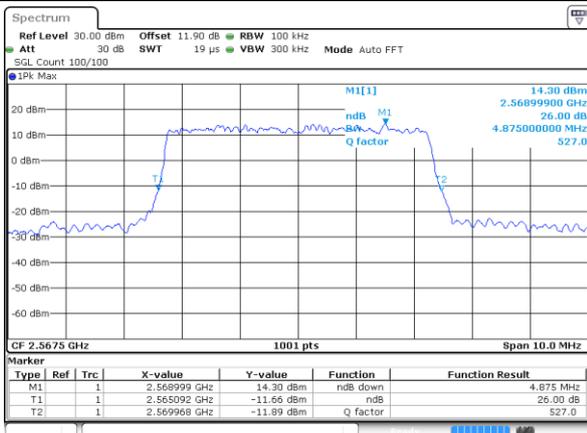
Date: 4 JAN 2020 17:56:59

Middle Channel / 5MHz / 16QAM



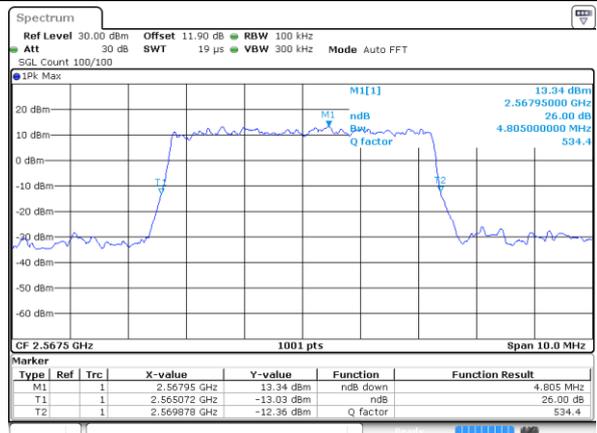
Date: 4 JAN 2020 17:57:11

Highest Channel / 5MHz / QPSK



Date: 4 JAN 2020 17:59:13

Highest Channel / 5MHz / 16QAM

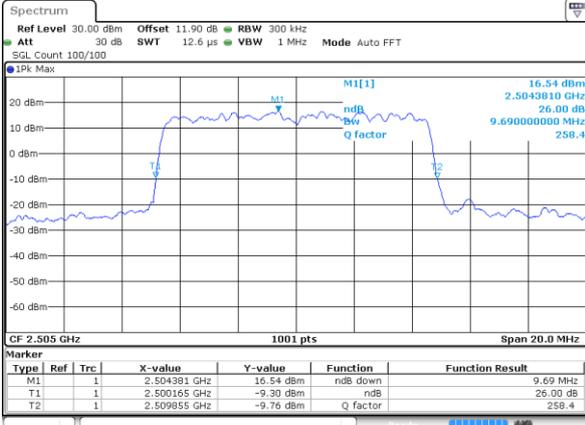


Date: 4 JAN 2020 17:59:26



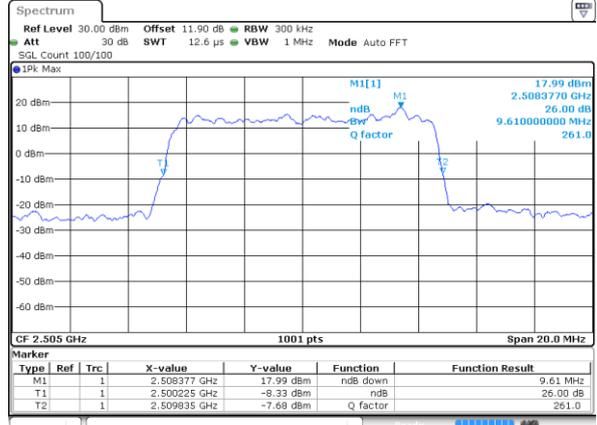
LTE Band 7

Lowest Channel / 10MHz / QPSK



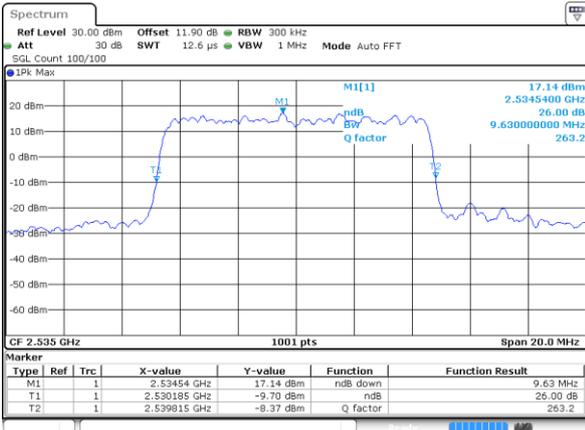
Date: 4 JAN 2020 18:10:24

Lowest Channel / 10MHz / 16QAM



Date: 4 JAN 2020 18:10:37

Middle Channel / 10MHz / QPSK



Date: 4 JAN 2020 18:15:25

Middle Channel / 10MHz / 16QAM



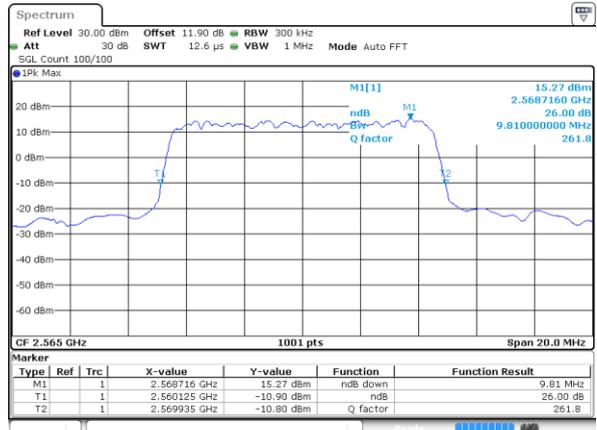
Date: 4 JAN 2020 18:15:37

Highest Channel / 10MHz / QPSK



Date: 4 JAN 2020 18:17:40

Highest Channel / 10MHz / 16QAM

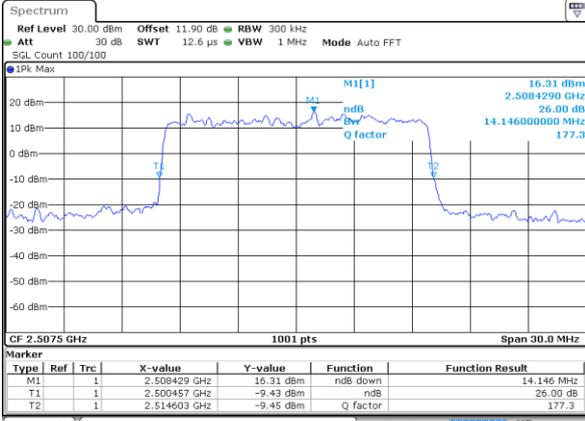


Date: 4 JAN 2020 18:17:52



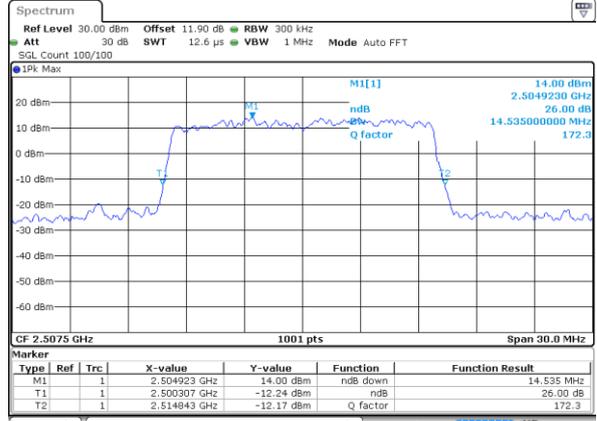
LTE Band 7

Lowest Channel / 15MHz / QPSK



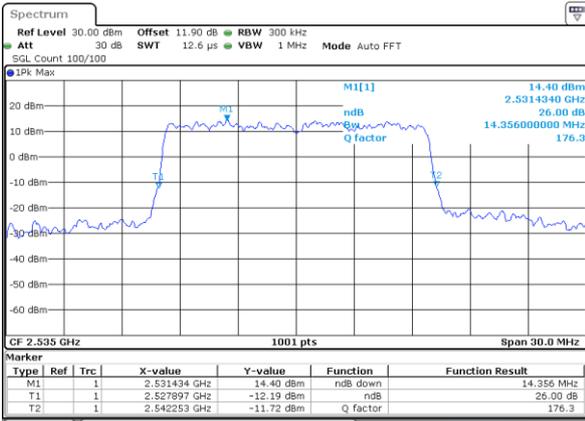
Date: 4 JAN 2020 18:28:50

Lowest Channel / 15MHz / 16QAM



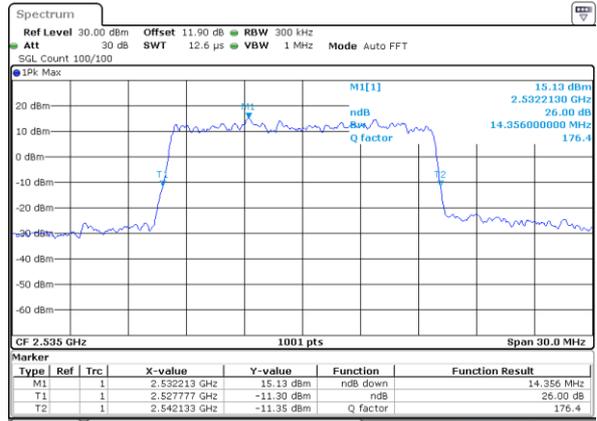
Date: 4 JAN 2020 18:29:02

Middle Channel / 15MHz / QPSK



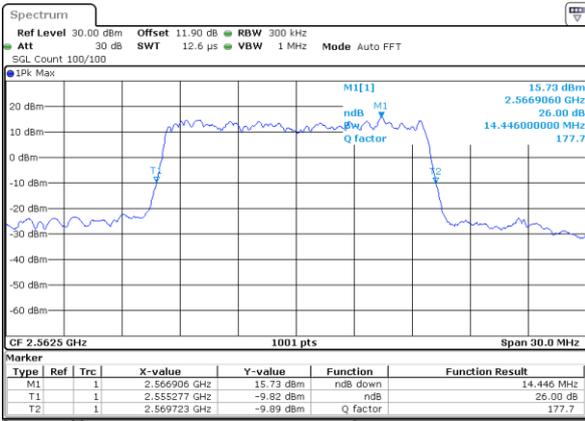
Date: 4 JAN 2020 18:33:51

Middle Channel / 15MHz / 16QAM



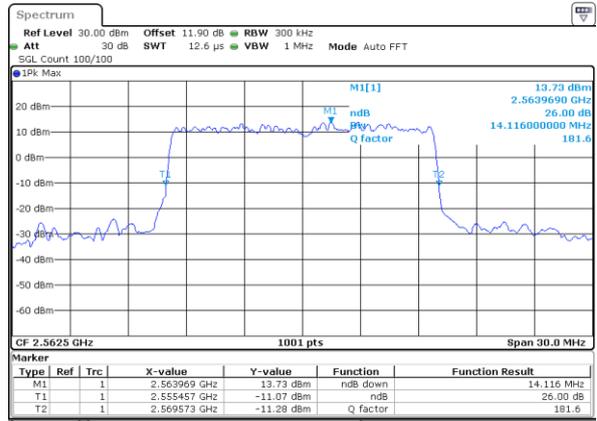
Date: 4 JAN 2020 18:34:03

Highest Channel / 15MHz / QPSK



Date: 4 JAN 2020 18:36:05

Highest Channel / 15MHz / 16QAM

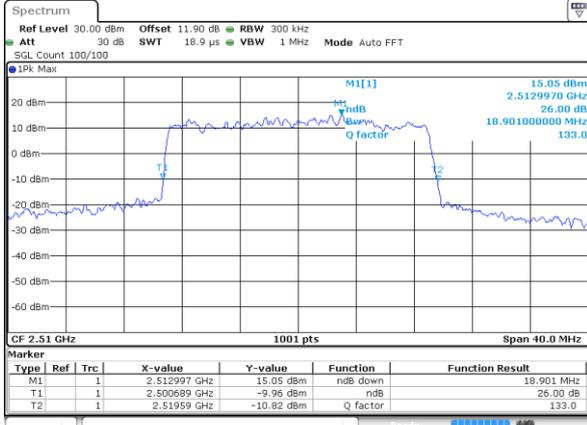


Date: 4 JAN 2020 18:36:17



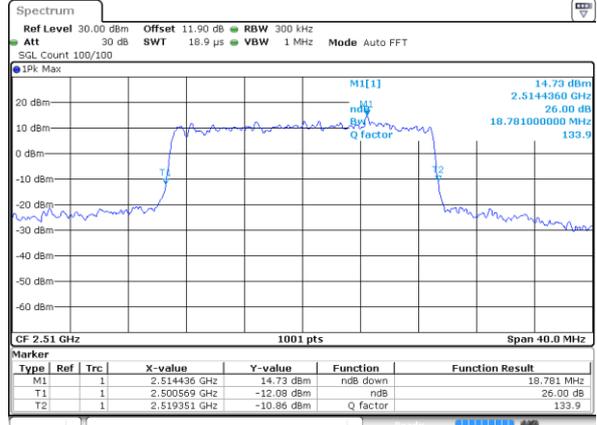
LTE Band 7

Lowest Channel / 20MHz / QPSK



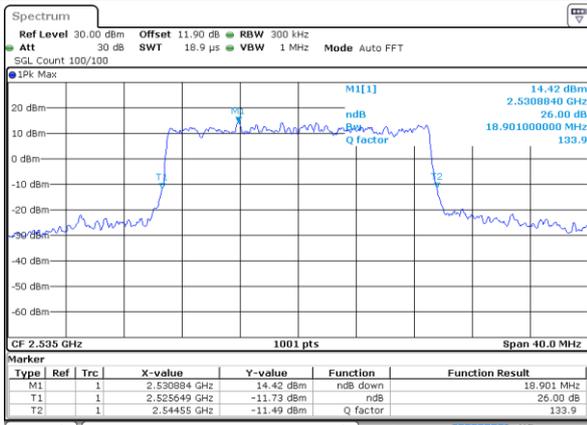
Date: 4 JAN 2020 18:47:14

Lowest Channel / 20MHz / 16QAM



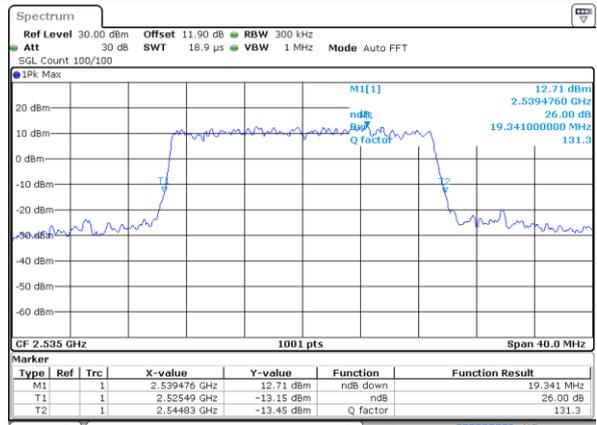
Date: 4 JAN 2020 18:47:27

Middle Channel / 20MHz / QPSK



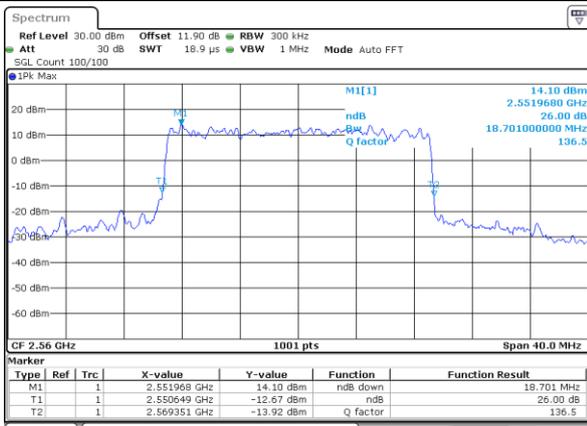
Date: 4 JAN 2020 18:52:16

Middle Channel / 20MHz / 16QAM



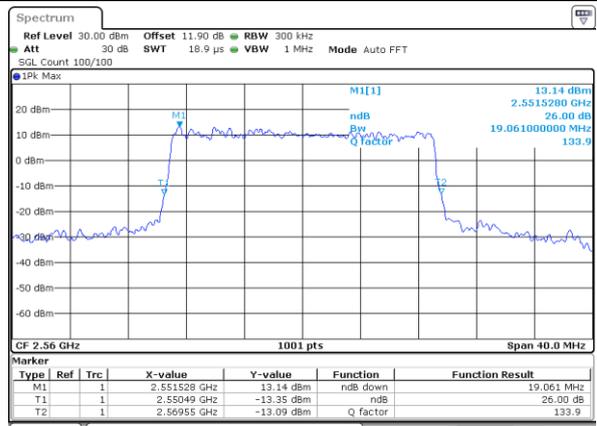
Date: 4 JAN 2020 18:52:28

Highest Channel / 20MHz / QPSK



Date: 4 JAN 2020 18:54:30

Highest Channel / 20MHz / 16QAM

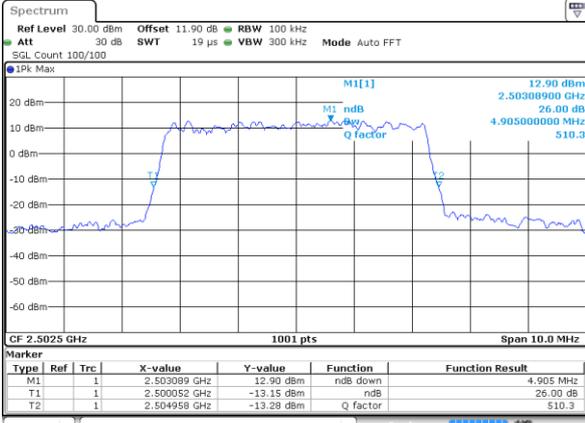


Date: 4 JAN 2020 18:54:42



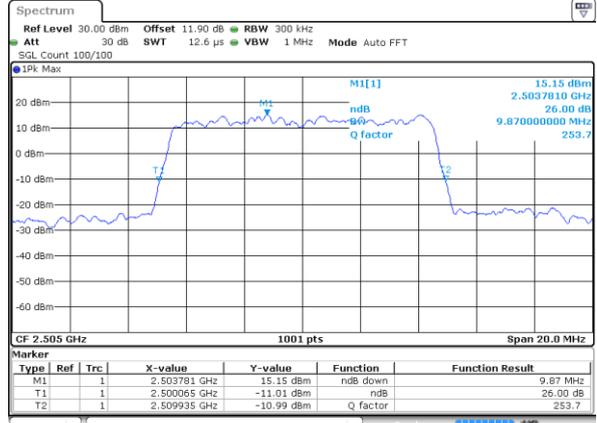
LTE Band 7

Lowest Channel / 5MHz / 64QAM



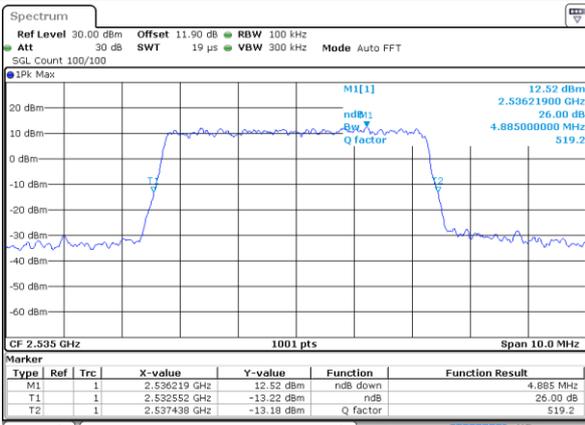
Date: 4 JAN 2020 18:04:03

Lowest Channel / 10MHz / 64QAM



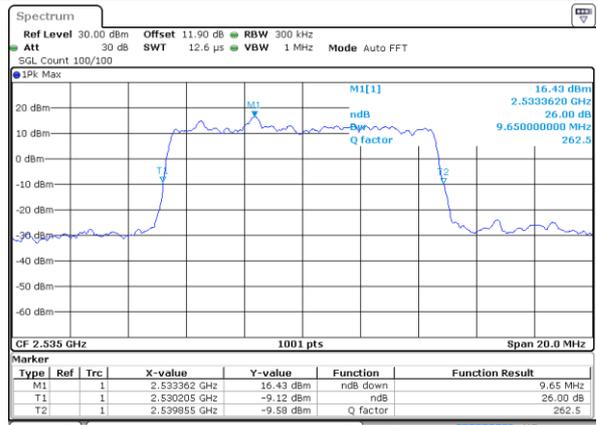
Date: 4 JAN 2020 18:22:29

Middle Channel / 5MHz / 64QAM



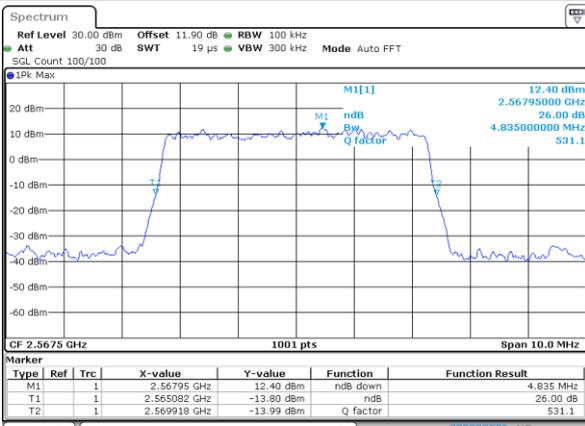
Date: 4 JAN 2020 18:06:33

Middle Channel / 10MHz / 64QAM



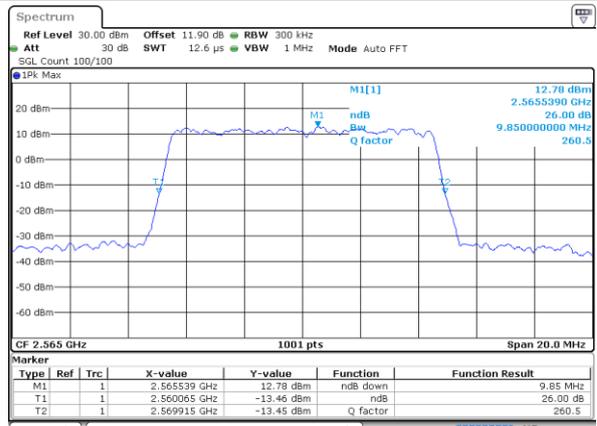
Date: 4 JAN 2020 18:24:59

Highest Channel / 5MHz / 64QAM



Date: 4 JAN 2020 18:07:40

Highest Channel / 10MHz / 64QAM

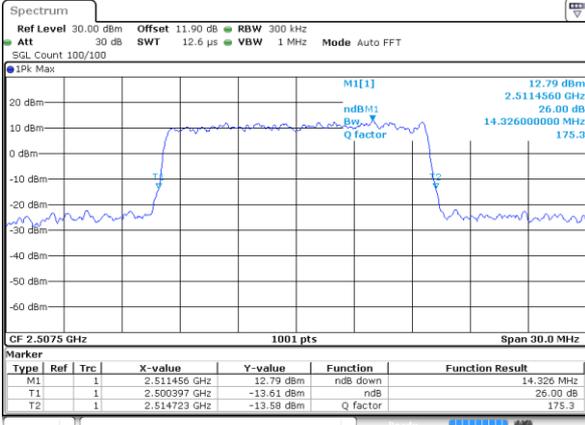


Date: 4 JAN 2020 18:26:06



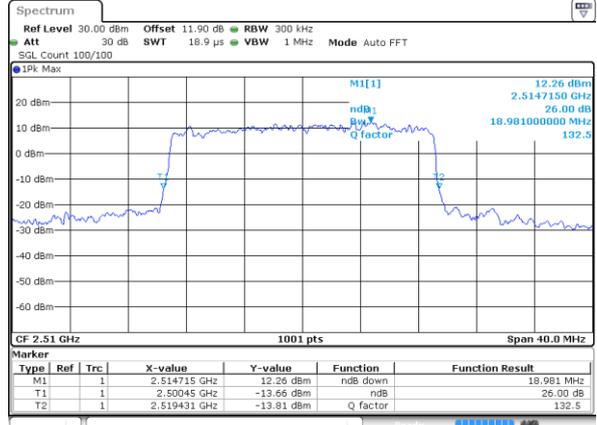
LTE Band 7

Lowest Channel / 15MHz / 64QAM



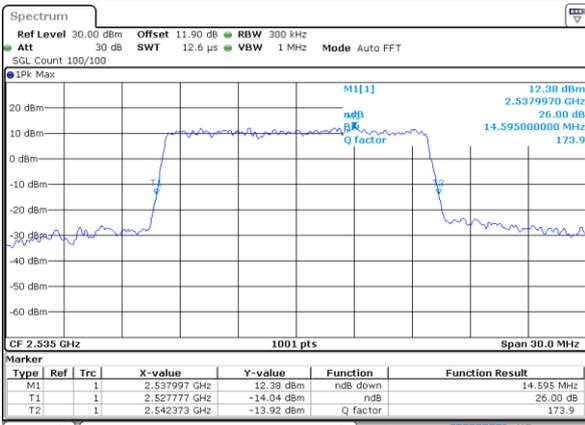
Date: 4 JAN 2020 18:40:53

Lowest Channel / 20MHz / 64QAM



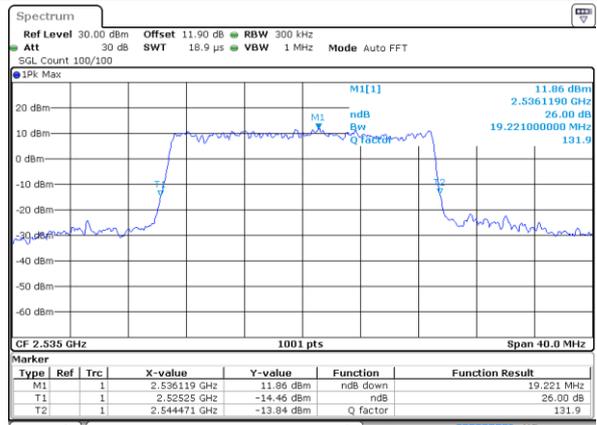
Date: 4 JAN 2020 18:59:19

Middle Channel / 15MHz / 64QAM



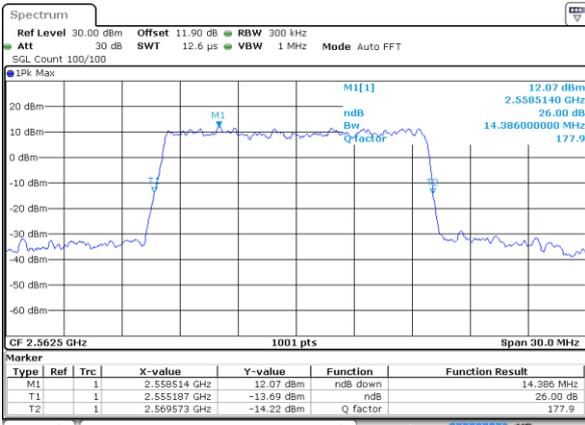
Date: 4 JAN 2020 18:43:23

Middle Channel / 20MHz / 64QAM



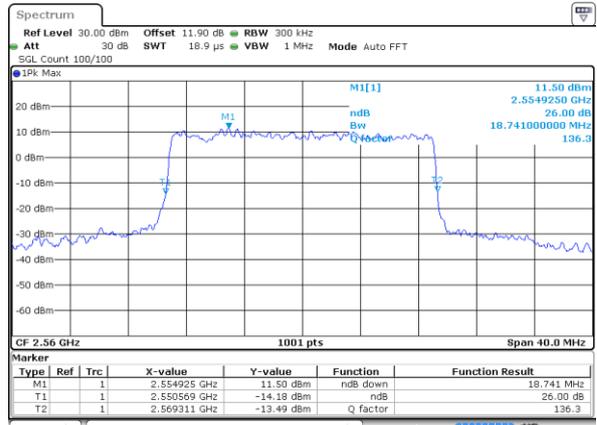
Date: 4 JAN 2020 19:01:50

Highest Channel / 15MHz / 64QAM



Date: 4 JAN 2020 18:44:30

Highest Channel / 20MHz / 64QAM



Date: 4 JAN 2020 19:02:57



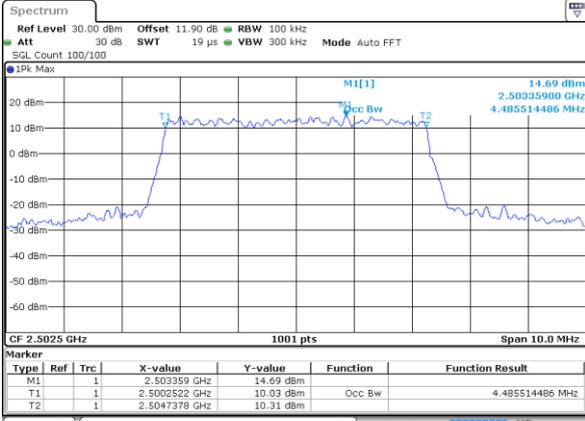
**Occupied Bandwidth**

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.49	9.05	9.07	13.52	13.46	17.82	17.82
Middle CH	-	-	-	-	4.50	4.48	8.99	8.97	13.49	13.43	17.90	18.02
Highest CH	-	-	-	-	4.48	4.50	9.07	9.03	13.49	13.49	17.82	17.90
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.55	-	8.99	-	13.43	-	17.86	-
Middle CH	-	-	-	-	4.48	-	8.99	-	13.40	-	17.90	-
Highest CH	-	-	-	-	4.49	-	9.01	-	13.43	-	17.90	-



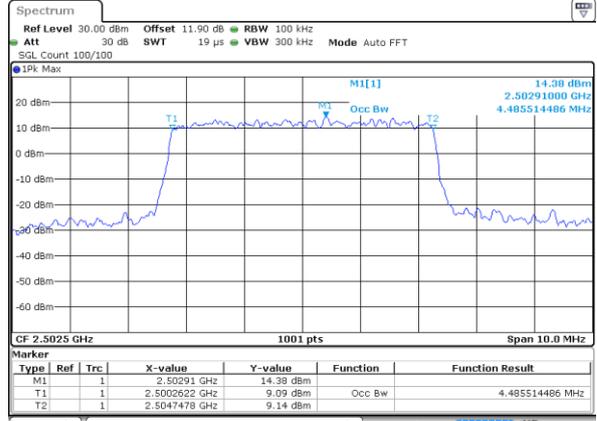
LTE Band 7

Lowest Channel / 5MHz / QPSK



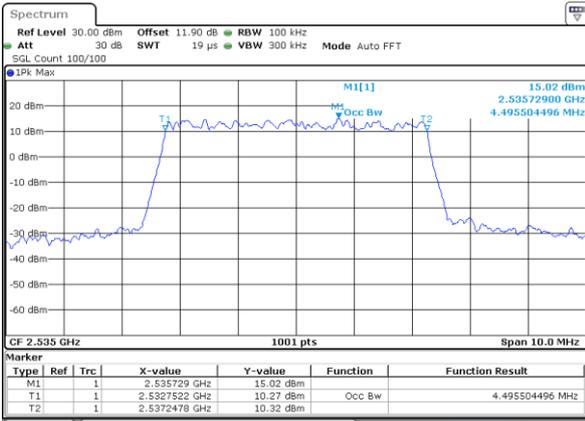
Date: 4 JAN 2020 17:51:33

Lowest Channel / 5MHz / 16QAM



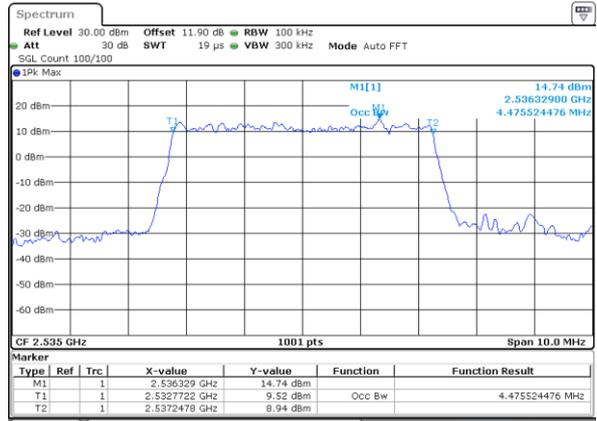
Date: 4 JAN 2020 17:51:45

Middle Channel / 5MHz / QPSK



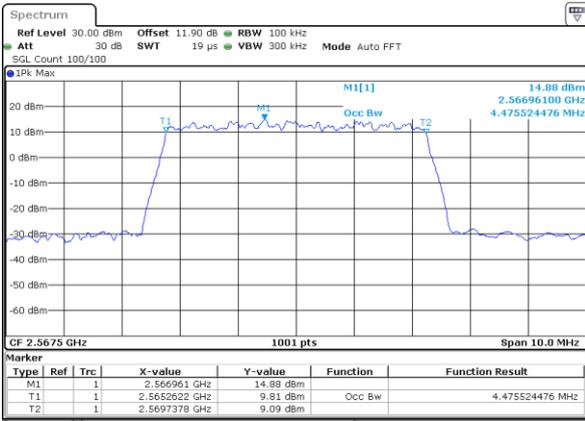
Date: 4 JAN 2020 17:56:36

Middle Channel / 5MHz / 16QAM



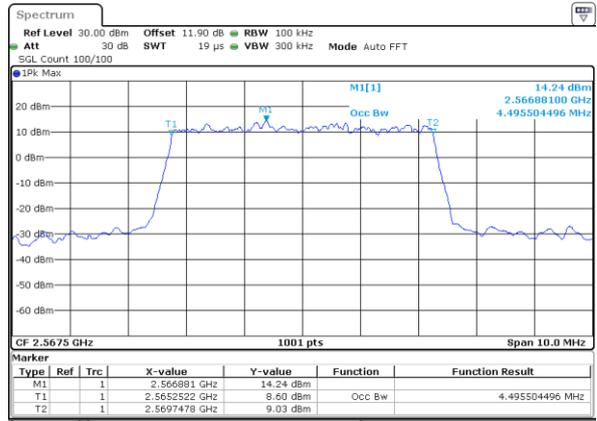
Date: 4 JAN 2020 17:56:48

Highest Channel / 5MHz / QPSK



Date: 4 JAN 2020 17:58:49

Highest Channel / 5MHz / 16QAM

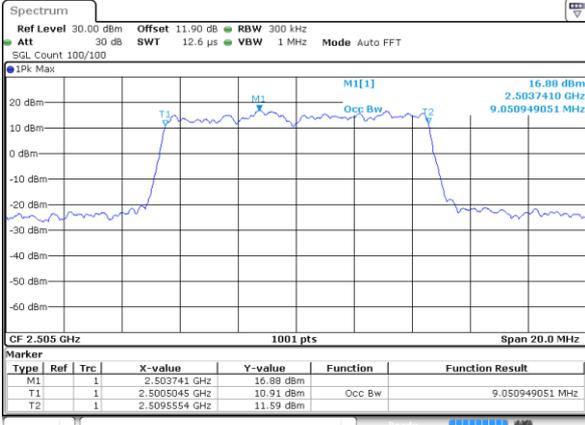


Date: 4 JAN 2020 17:59:01



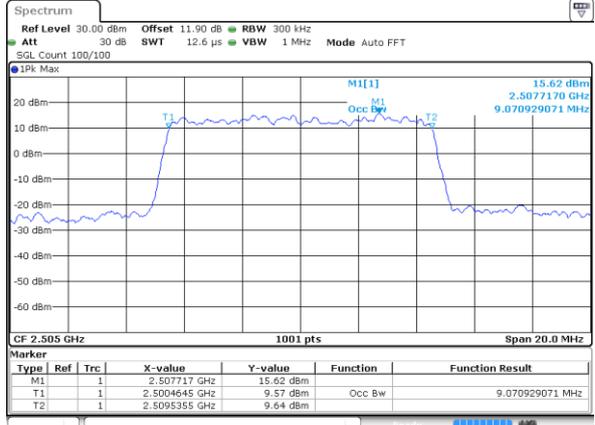
LTE Band 7

Lowest Channel / 10MHz / QPSK



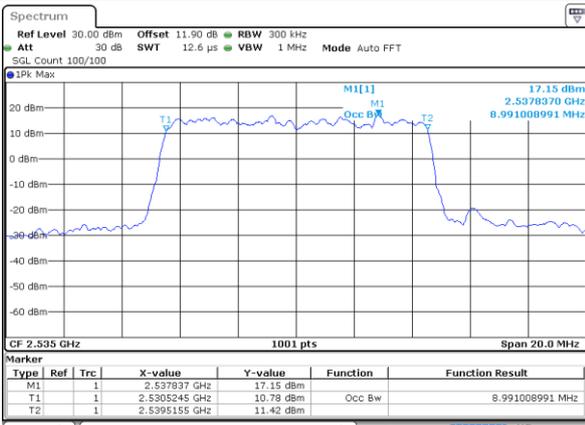
Date: 4 JAN 2020 18:10:00

Lowest Channel / 10MHz / 16QAM



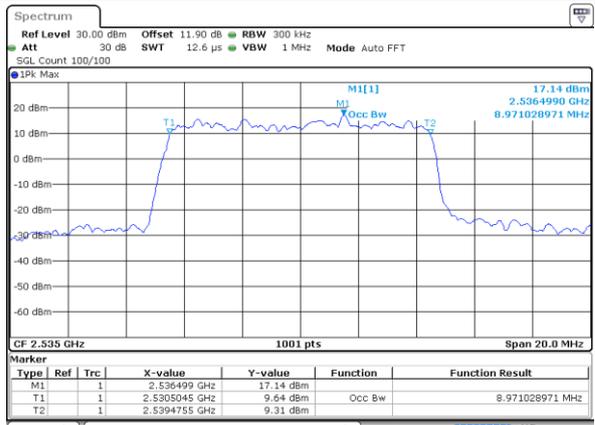
Date: 4 JAN 2020 18:10:12

Middle Channel / 10MHz / QPSK



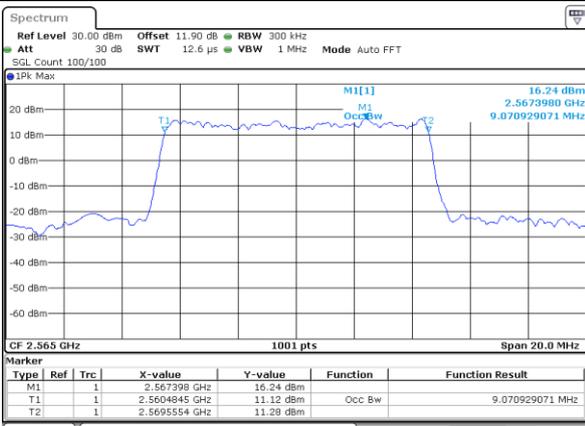
Date: 4 JAN 2020 18:15:02

Middle Channel / 10MHz / 16QAM



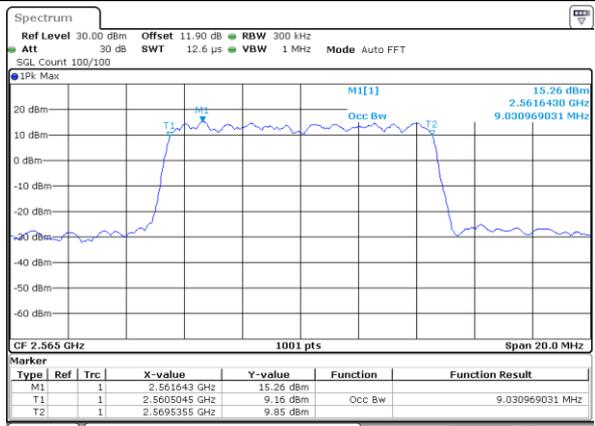
Date: 4 JAN 2020 18:15:13

Highest Channel / 10MHz / QPSK



Date: 4 JAN 2020 18:17:15

Highest Channel / 10MHz / 16QAM

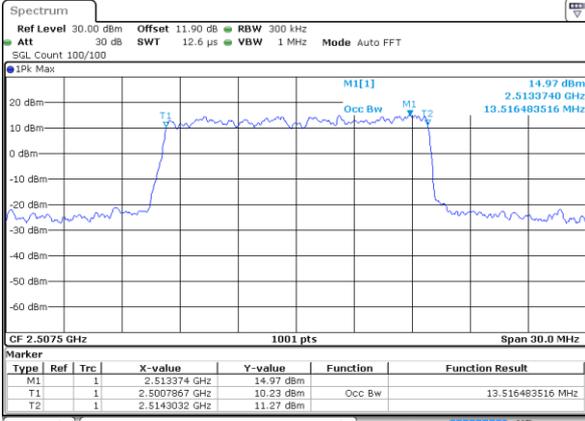


Date: 4 JAN 2020 18:17:27



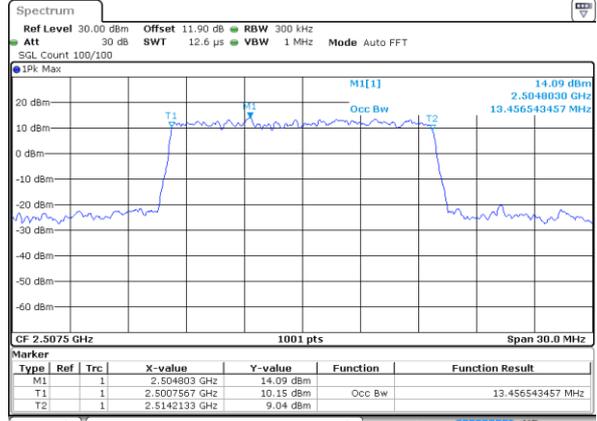
LTE Band 7

Lowest Channel / 15MHz / QPSK



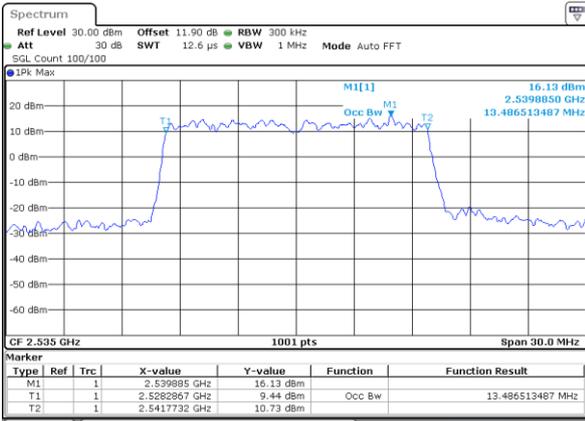
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Lowest Channel / 15MHz / 16QAM



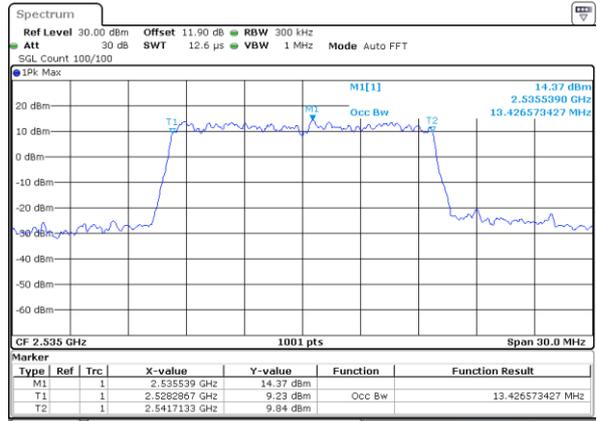
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Middle Channel / 15MHz / QPSK



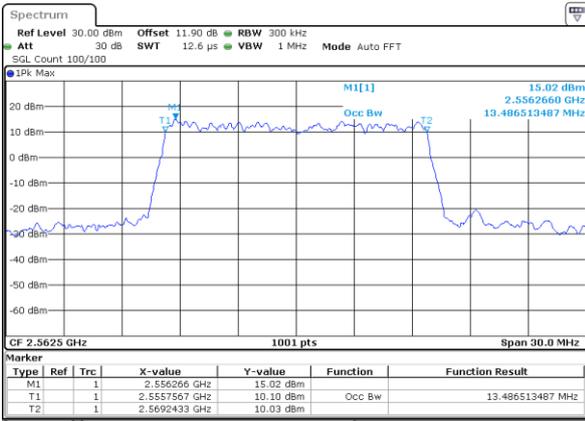
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Middle Channel / 15MHz / 16QAM



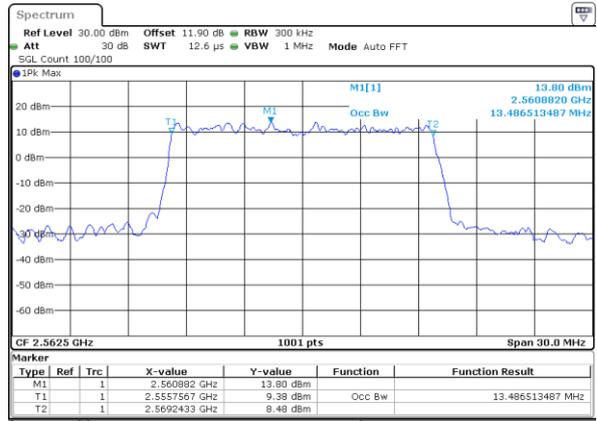
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Highest Channel / 15MHz / QPSK



Date: 4 JAN 2020 18:35:40

Highest Channel / 15MHz / 16QAM

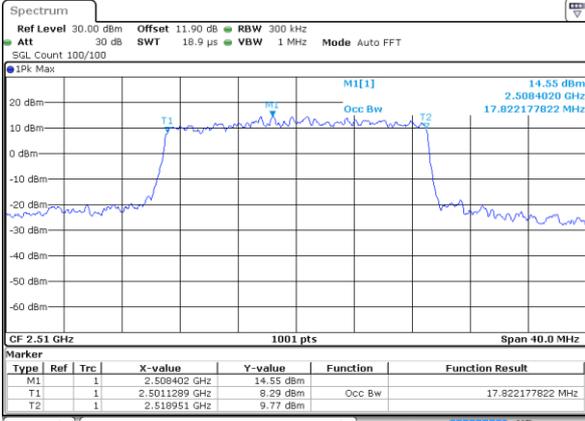


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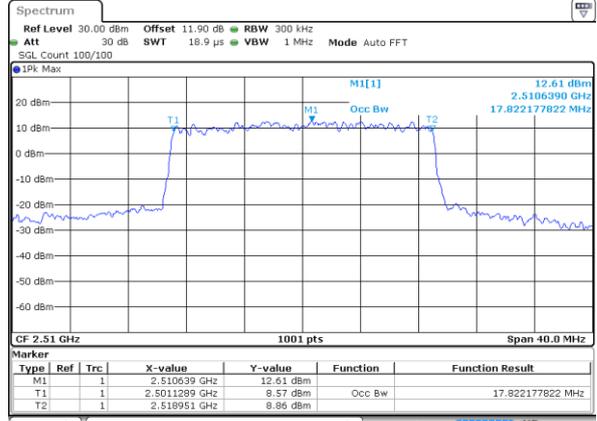
LTE Band 7

Lowest Channel / 20MHz / QPSK



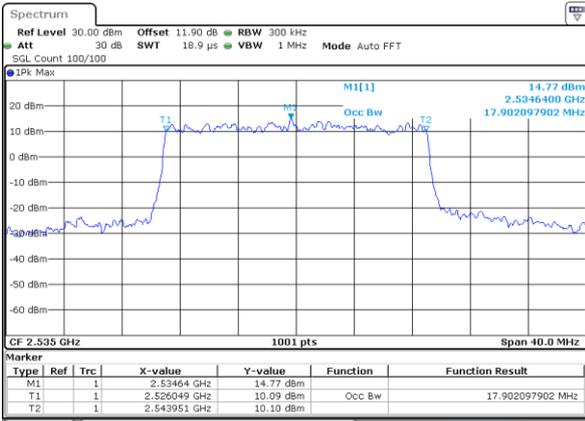
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Lowest Channel / 20MHz / 16QAM



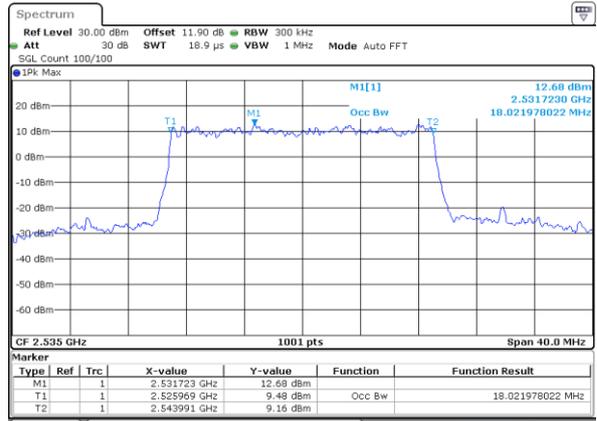
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Middle Channel / 20MHz / QPSK



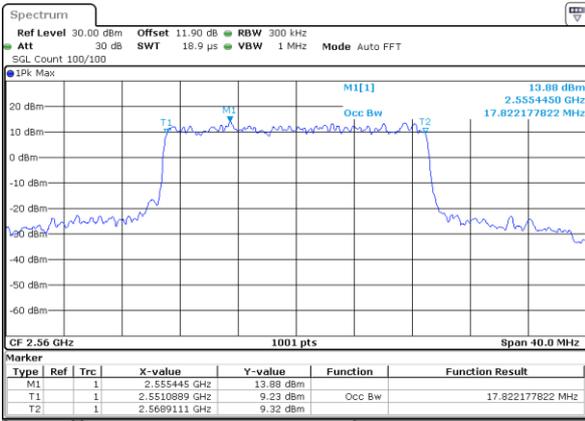
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Middle Channel / 20MHz / 16QAM



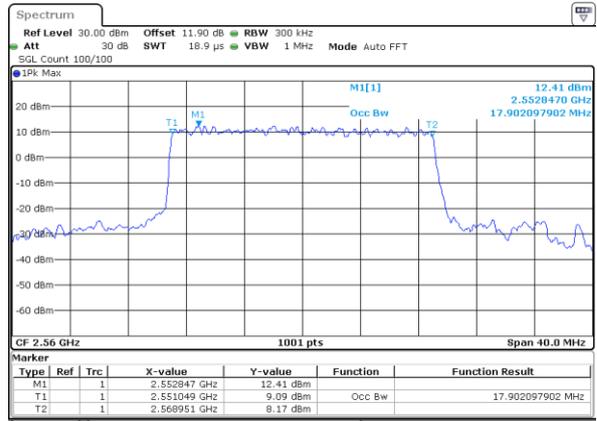
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Highest Channel / 20MHz / QPSK



Date: 4 JAN 2020 18:54:05

Highest Channel / 20MHz / 16QAM

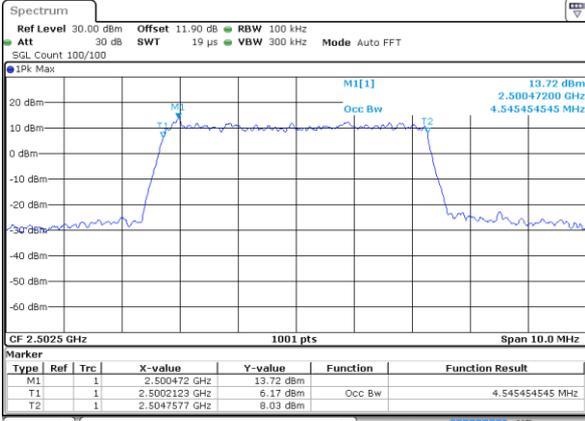


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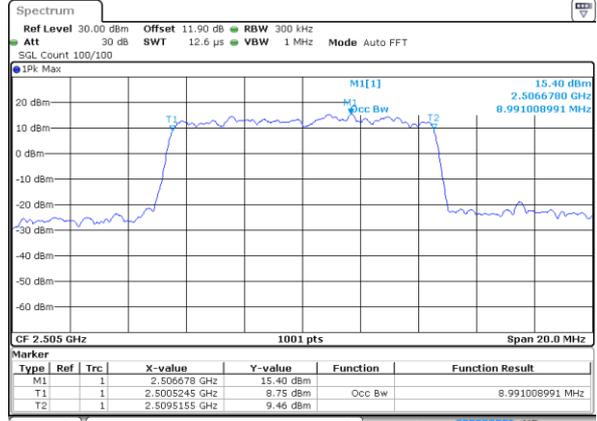
LTE Band 7

Lowest Channel / 5MHz / 64QAM



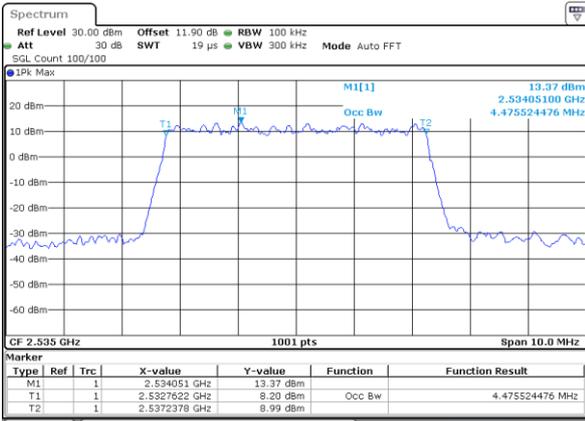
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Lowest Channel / 10MHz / 64QAM



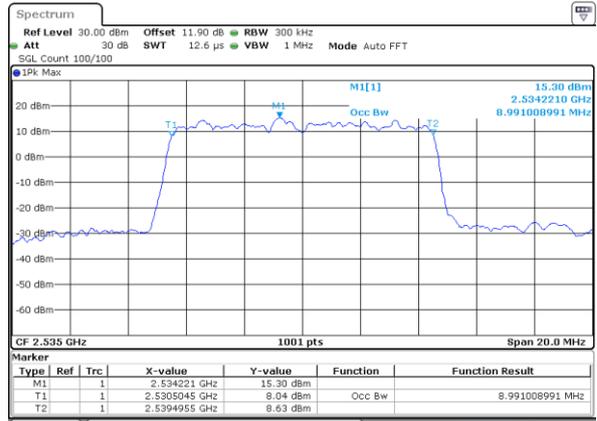
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Middle Channel / 5MHz / 64QAM



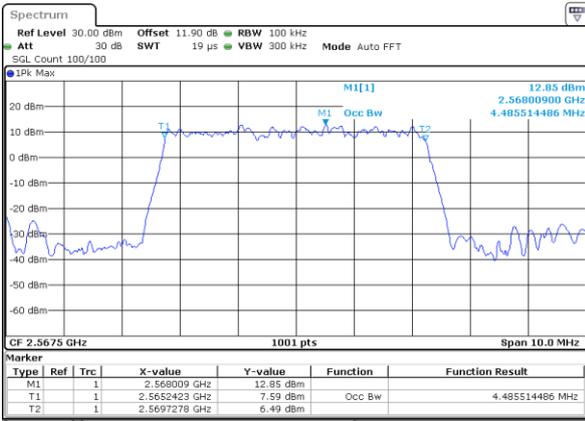
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Middle Channel / 10MHz / 64QAM



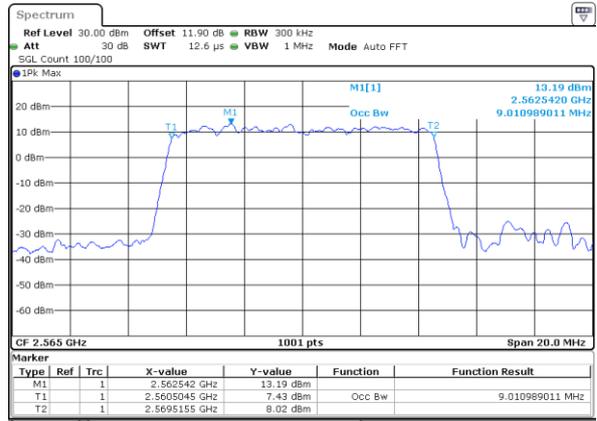
Date: 4 JAN 2020 18:24:47

Highest Channel / 5MHz / 64QAM



Date: 4 JAN 2020 18:07:28

Highest Channel / 10MHz / 64QAM

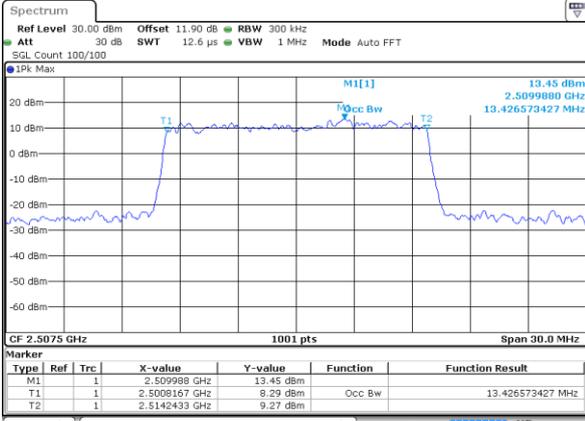


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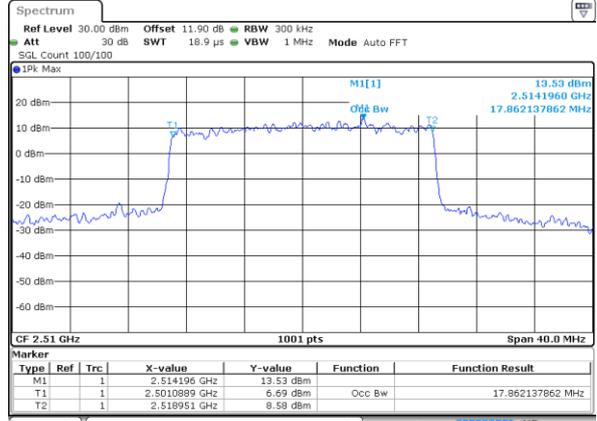
LTE Band 7

Lowest Channel / 15MHz / 64QAM



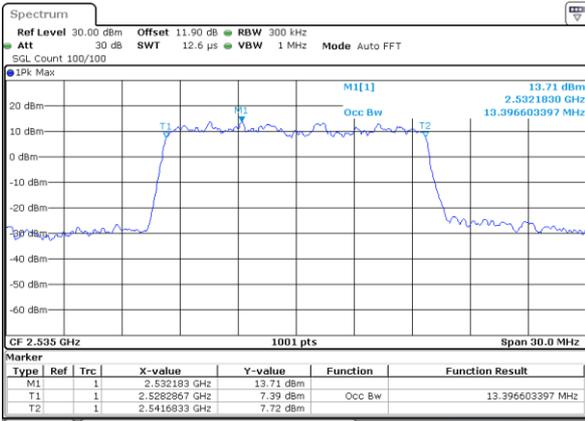
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Lowest Channel / 20MHz / 64QAM



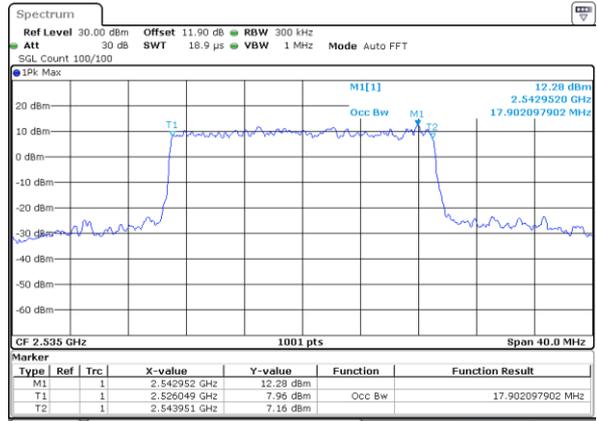
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Middle Channel / 15MHz / 64QAM



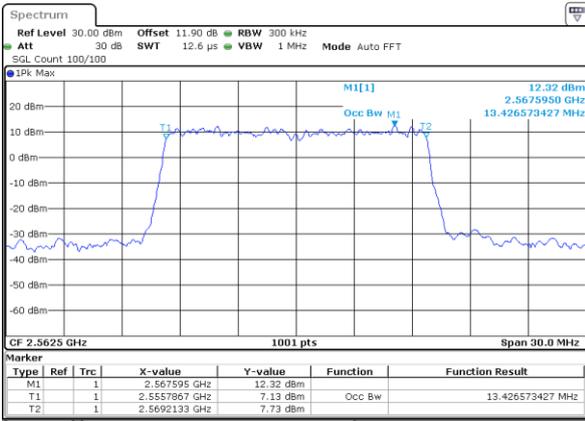
Date: 4 JAN 2020 18:43:12

Middle Channel / 20MHz / 64QAM



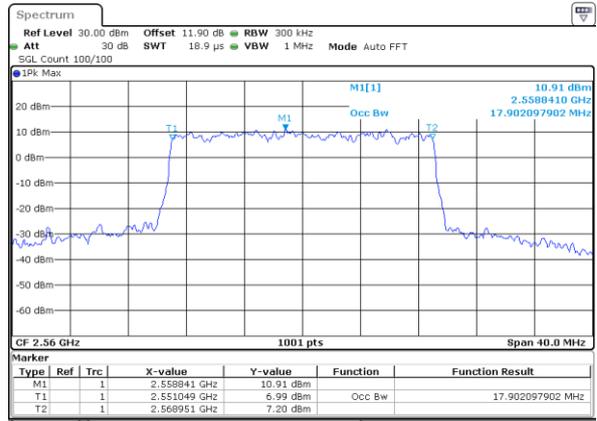
Date: 4 JAN 2020 19:01:38

Highest Channel / 15MHz / 64QAM



Date: 4 JAN 2020 18:44:18

Highest Channel / 20MHz / 64QAM



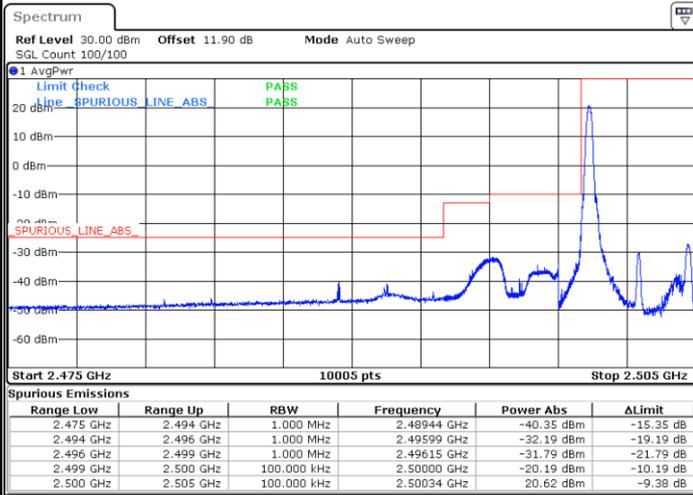
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# Conducted Band Edge

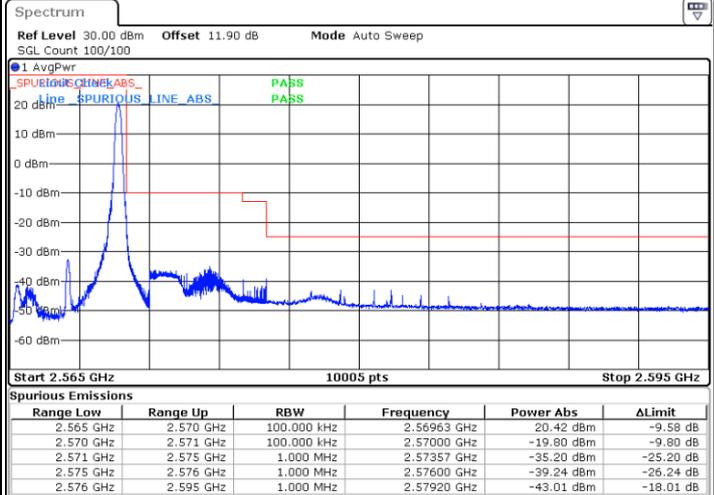
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



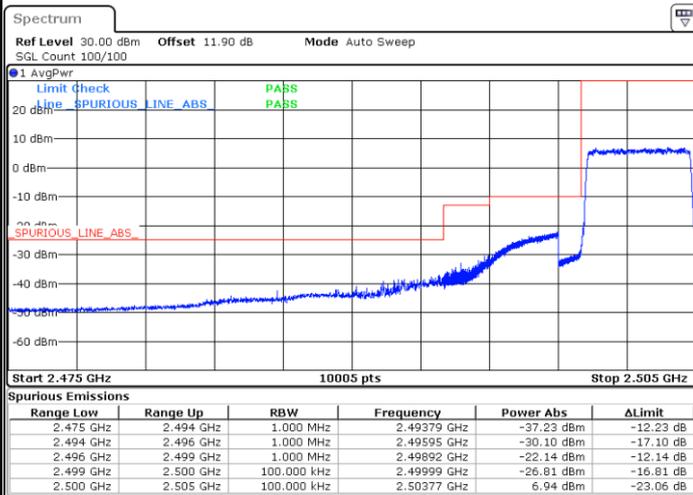
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### Highest Band Edge / 1 RB



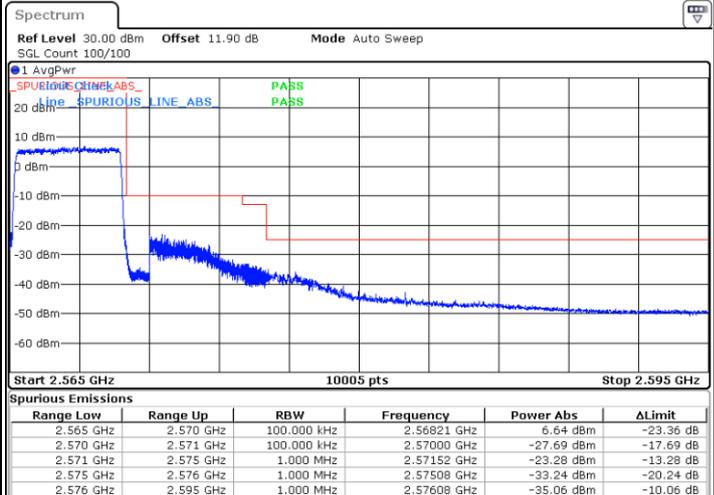
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### Lowest Band Edge / Full RB



Date: 4 JAN 2020 17:54:14

### Highest Band Edge / Full RB

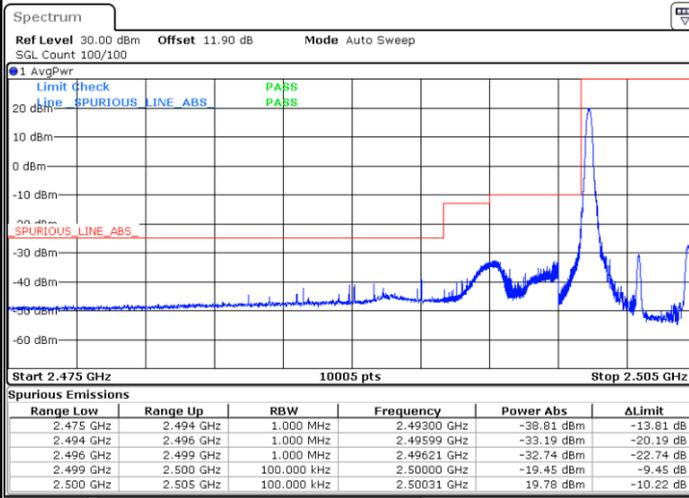


Date: 4 JAN 2020 18:01:30



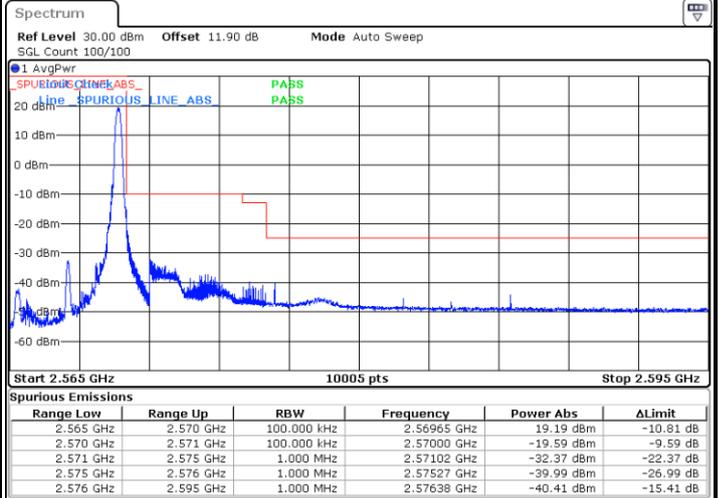
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



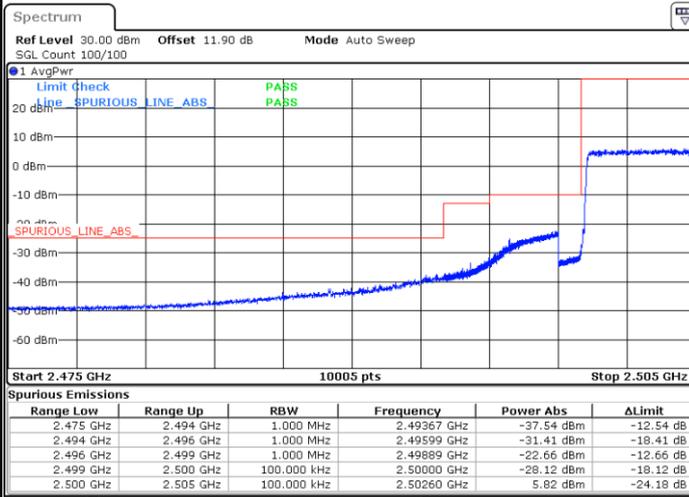
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Highest Band Edge / 1 RB



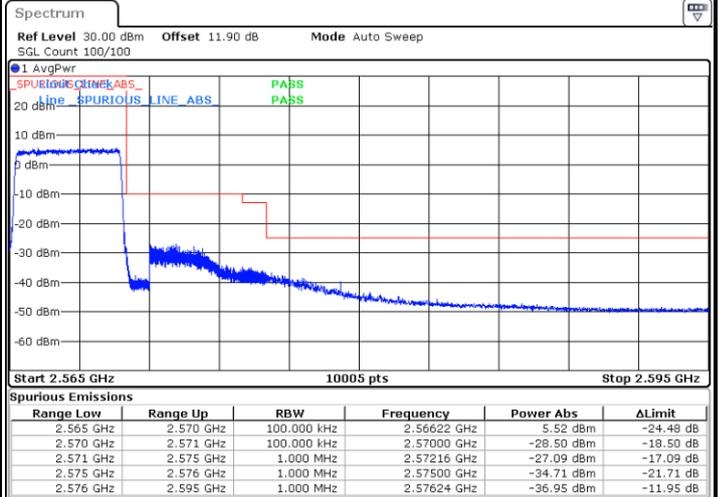
Date: 4 JAN 2020 18:00:48

Lowest Band Edge / Full RB



Date: 4 JAN 2020 17:54:56

Highest Band Edge / Full RB

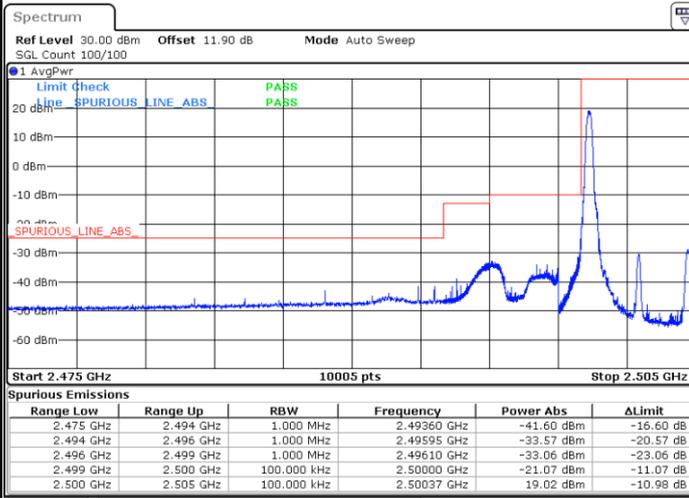


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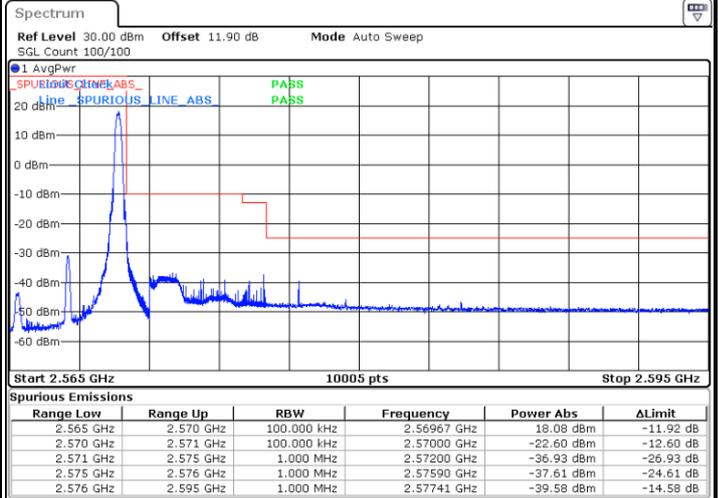
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



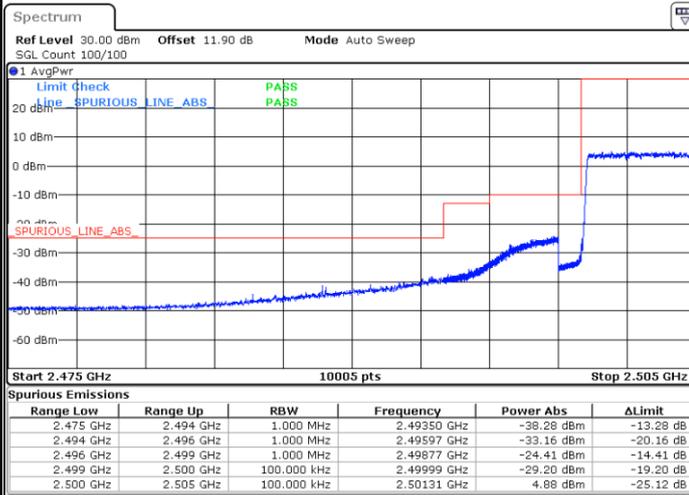
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Highest Band Edge / 1 RB



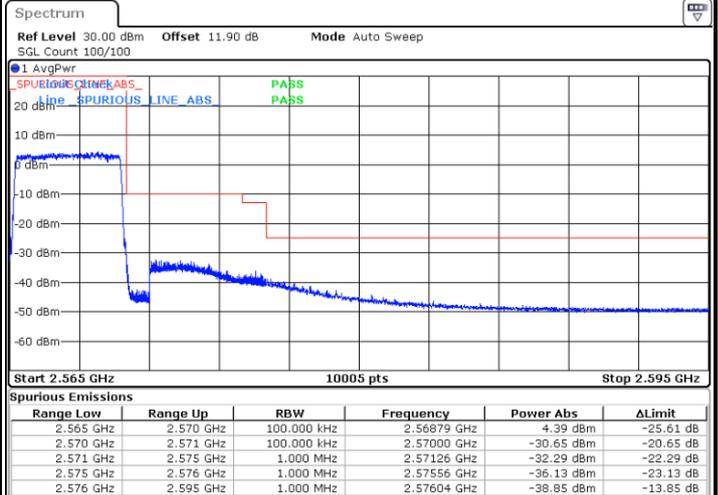
Date: 4 JAN 2020 18:08:21

Lowest Band Edge / Full RB



Date: 4 JAN 2020 18:05:26

Highest Band Edge / Full RB

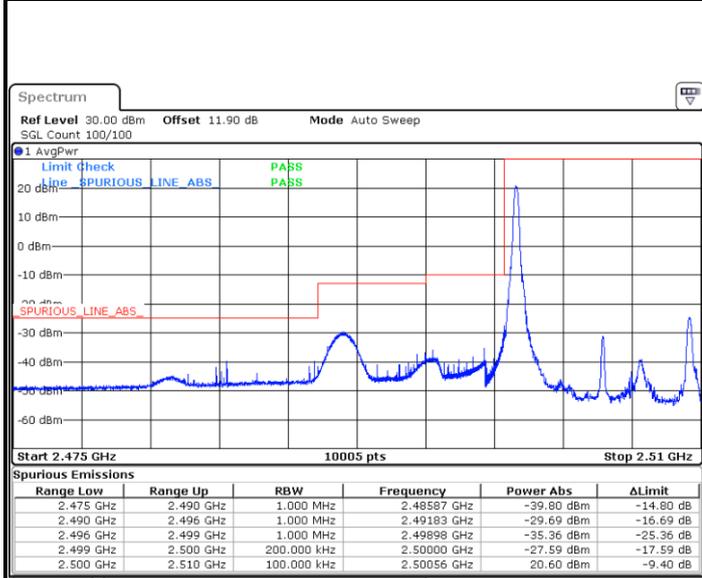


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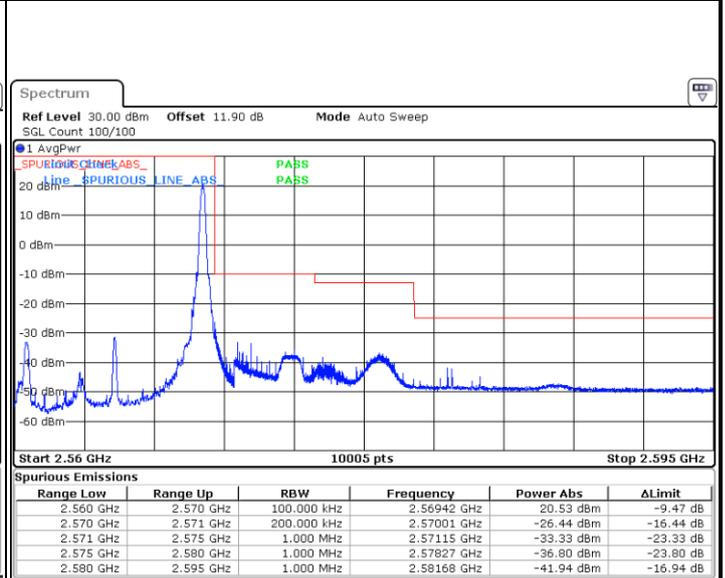
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



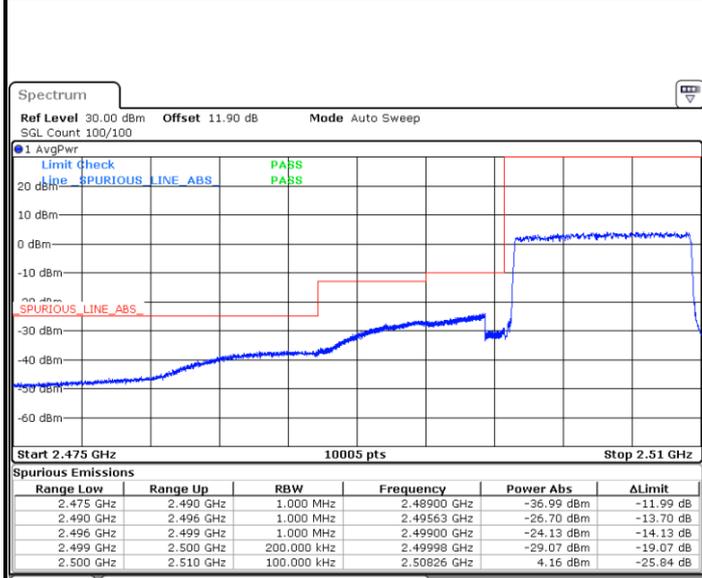
Date: 4 JAN 2020 18:11:18

Highest Band Edge / 1 RB



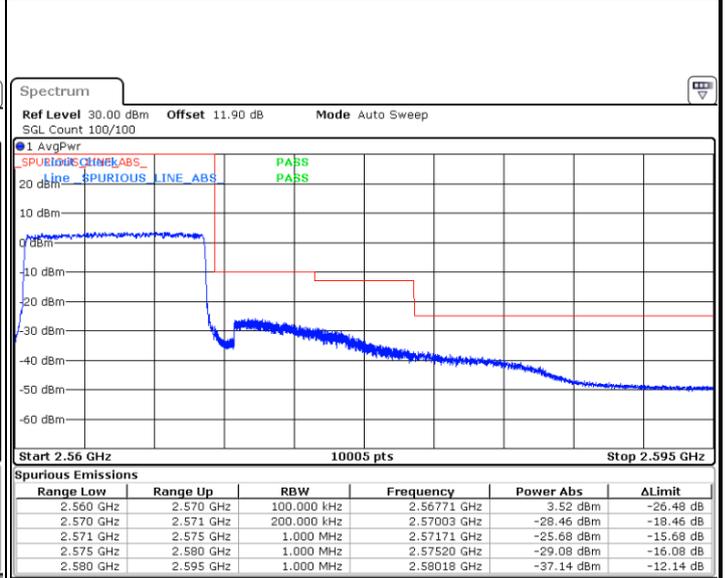
Date: 4 JAN 2020 18:18:33

Lowest Band Edge / Full RB



Date: 4 JAN 2020 18:12:40

Highest Band Edge / Full RB

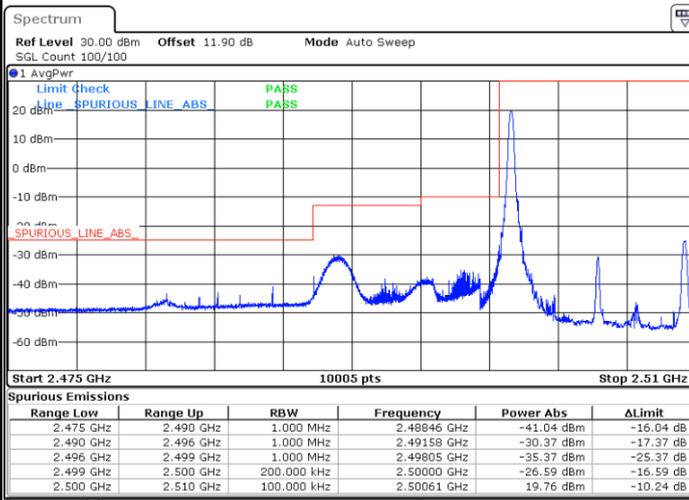


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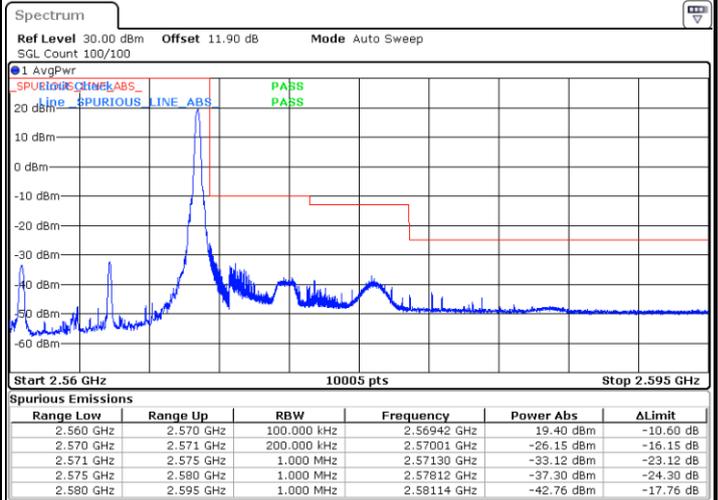
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



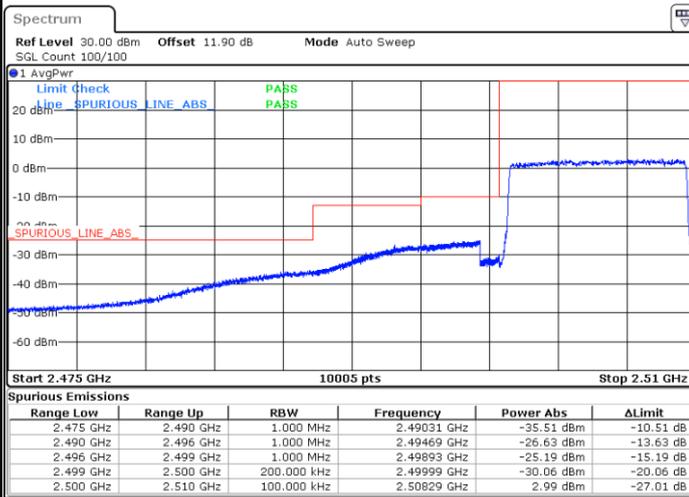
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Highest Band Edge / 1 RB



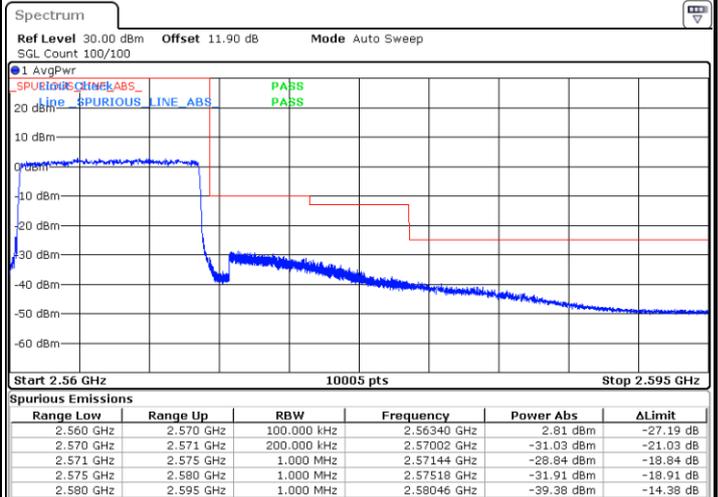
Date: 4 JAN 2020 18:19:14

Lowest Band Edge / Full RB



Date: 4 JAN 2020 18:13:22

Highest Band Edge / Full RB

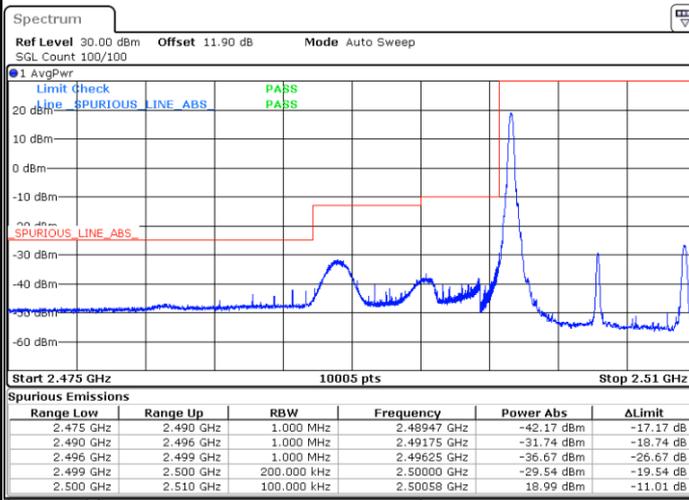


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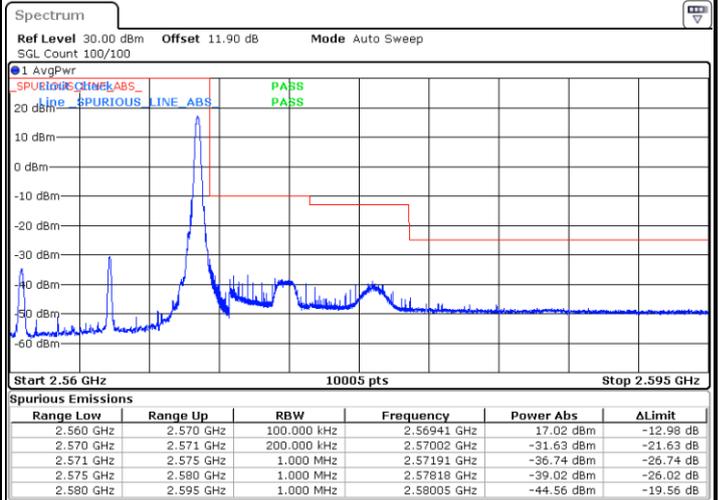
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



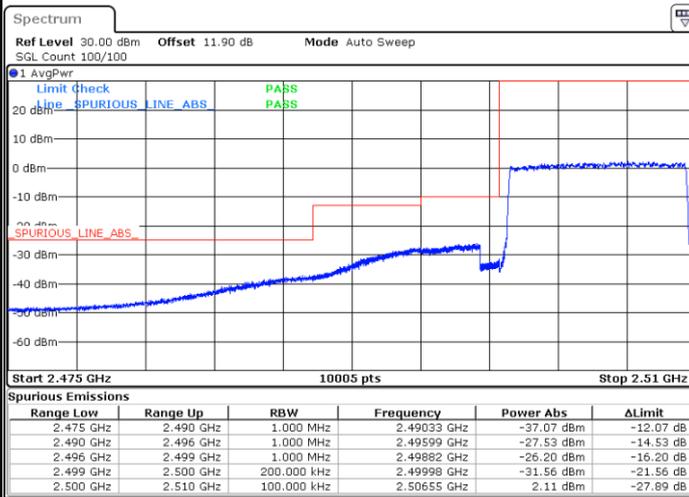
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Highest Band Edge / 1 RB



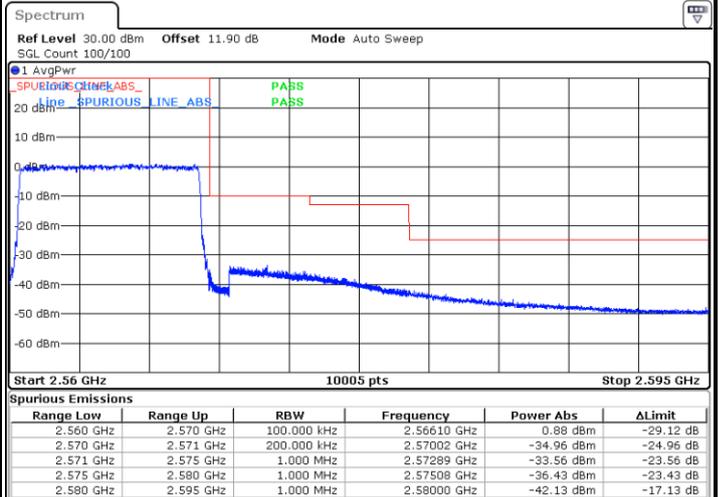
Date: 4 JAN 2020 18:26:47

Lowest Band Edge / Full RB



Date: 4 JAN 2020 18:23:51

Highest Band Edge / Full RB



Date: 4 JAN 2020 18:27:29