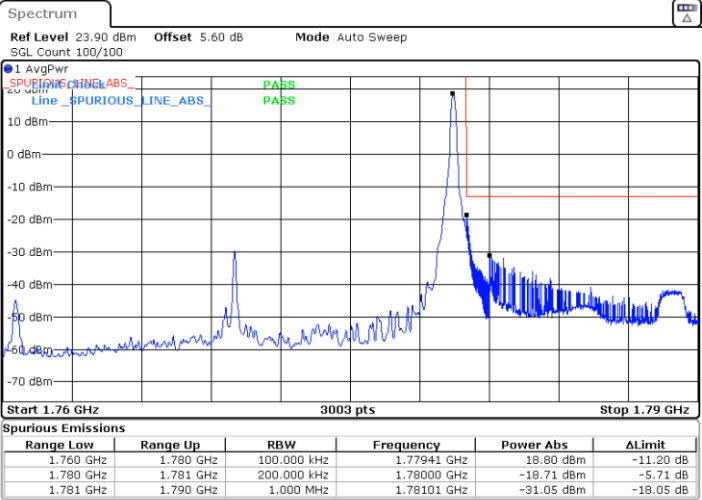
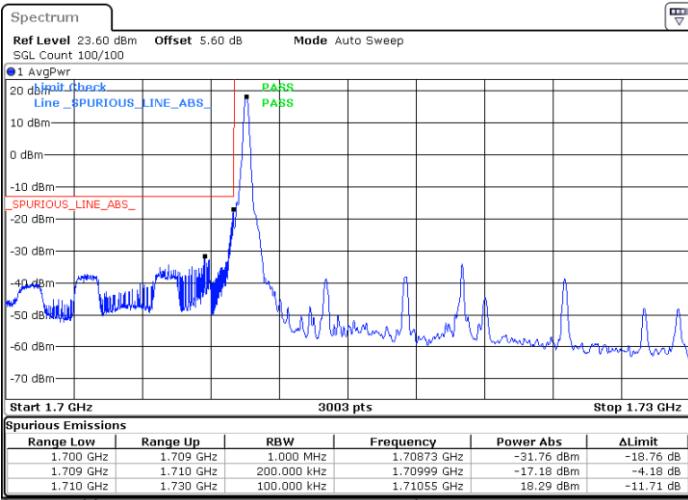




5G NR n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

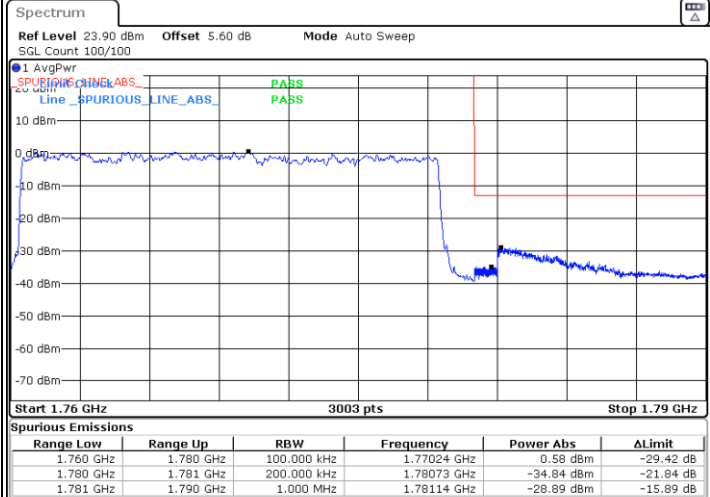
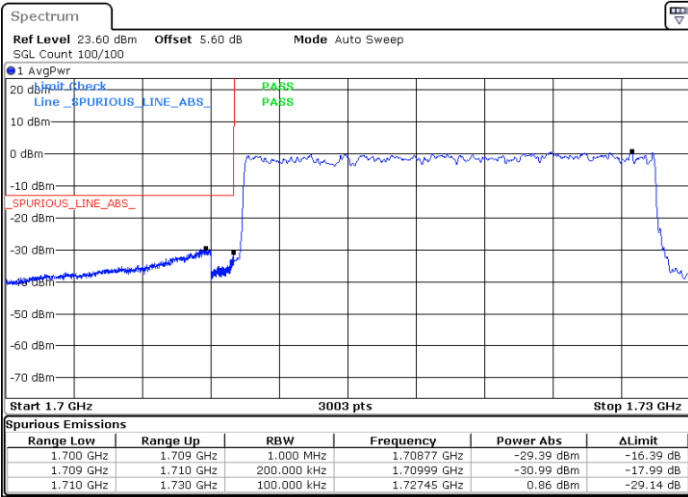


Date: 29 JUN 2020 00:44:02

Date: 29 JUN 2020 01:16:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2020 00:39:15

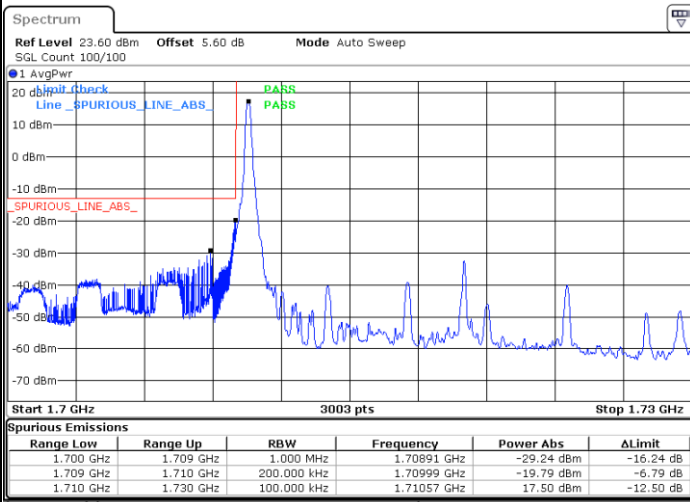
Date: 29 JUN 2020 01:12:09



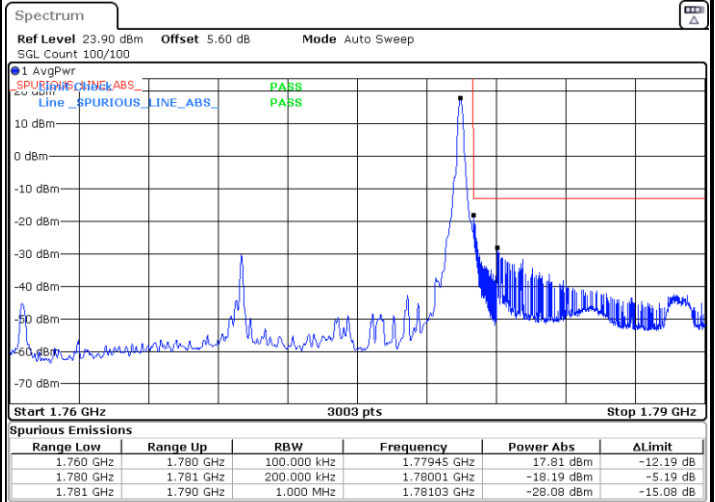
5G NR n66 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



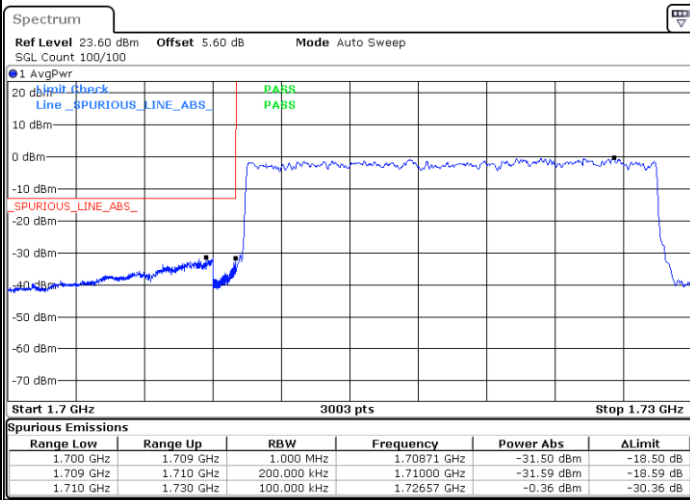
Date: 29 JUN 2020 00:45:12



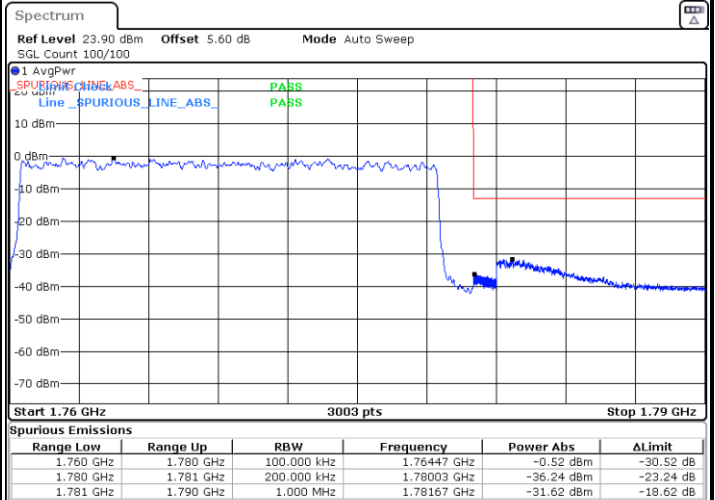
Date: 29 JUN 2020 01:17:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2020 00:40:05



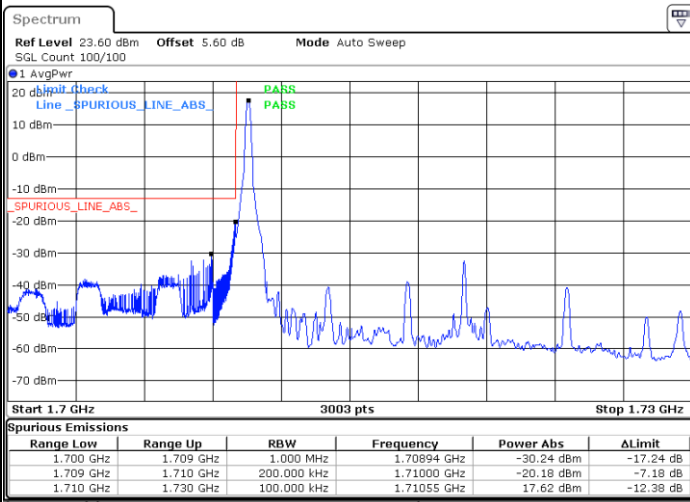
Date: 29 JUN 2020 01:12:46



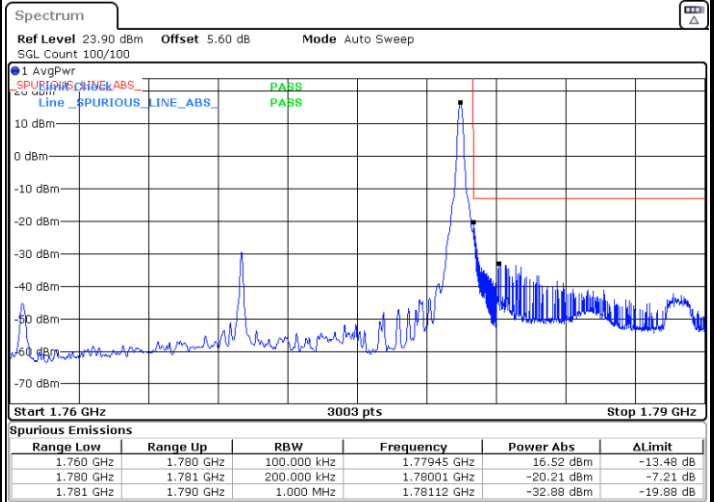
5G NR n66 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



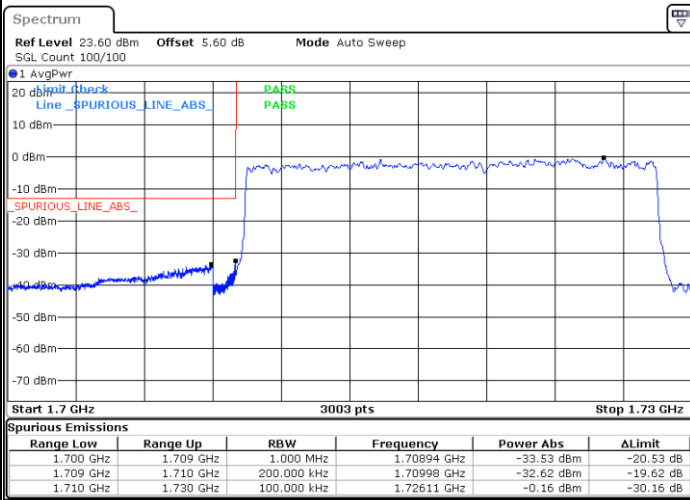
Date: 29 JUN 2020 00:46:51



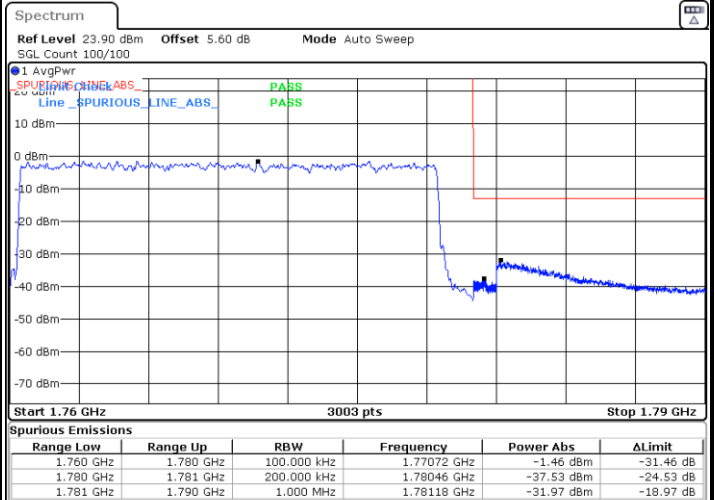
Date: 29 JUN 2020 01:17:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29 JUN 2020 00:40:45



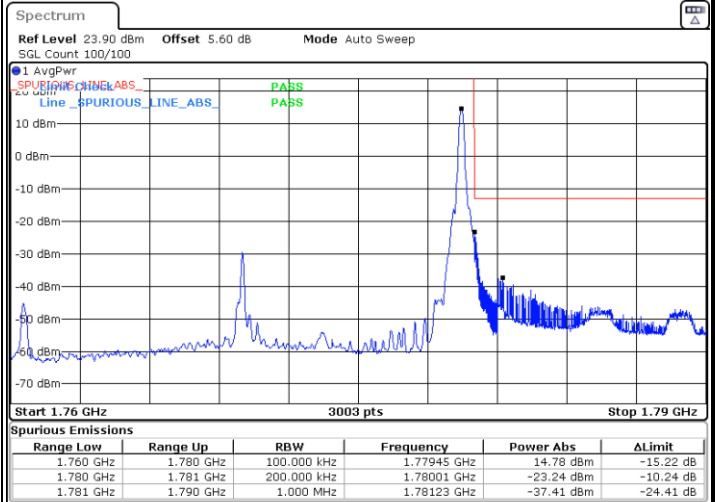
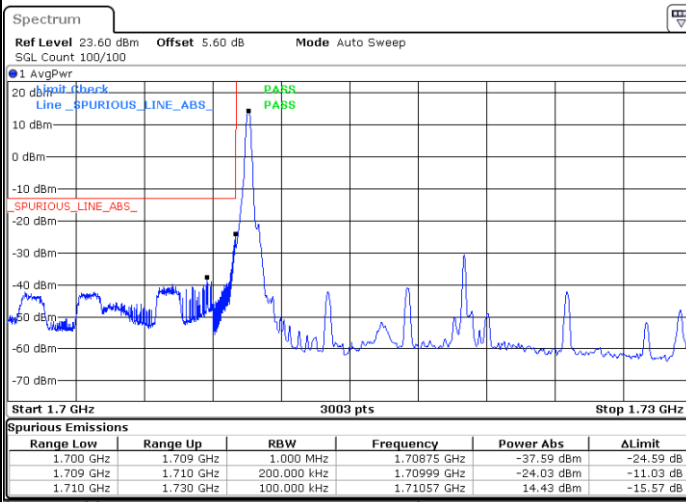
Date: 29 JUN 2020 01:13:23



5G NR n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

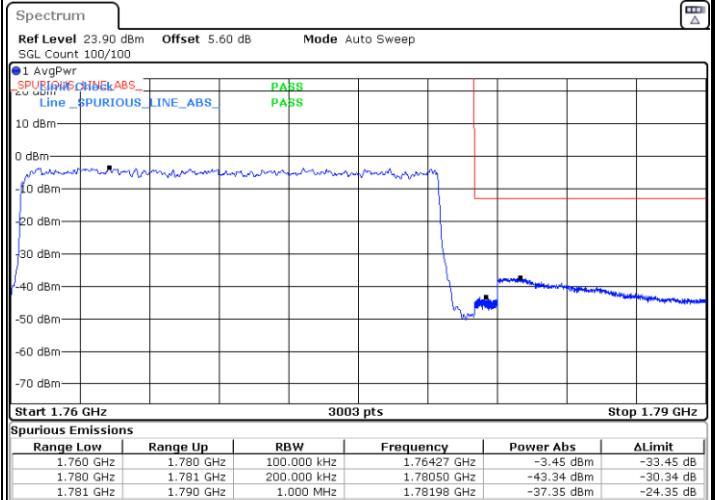
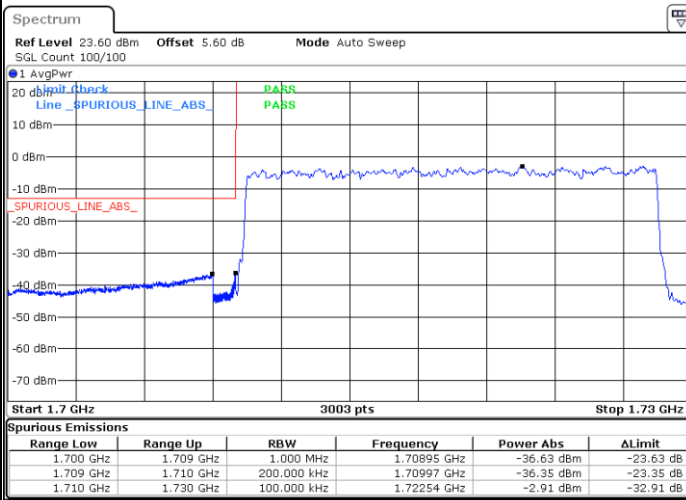


Date: 29 JUN 2020 00:47:55

Date: 29 JUN 2020 01:17:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

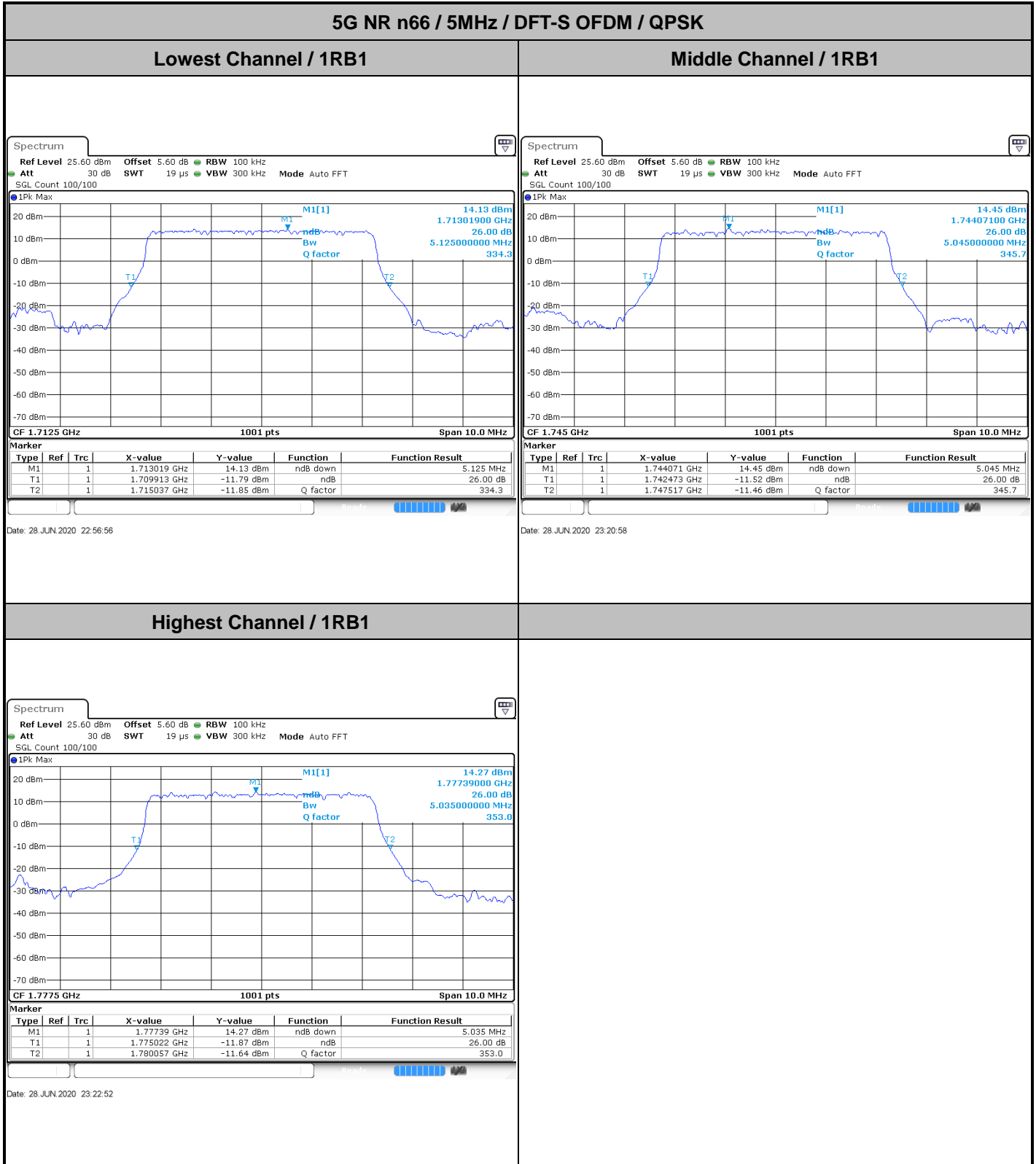


Date: 29 JUN 2020 00:41:36

Date: 29 JUN 2020 01:14:00



Conducted Spurious Emission

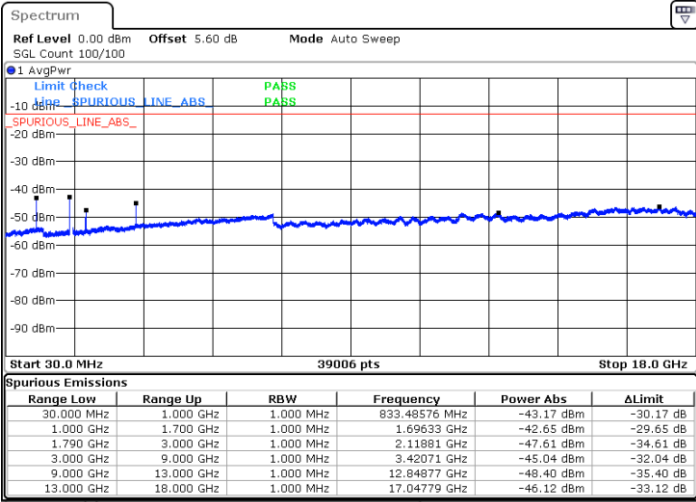




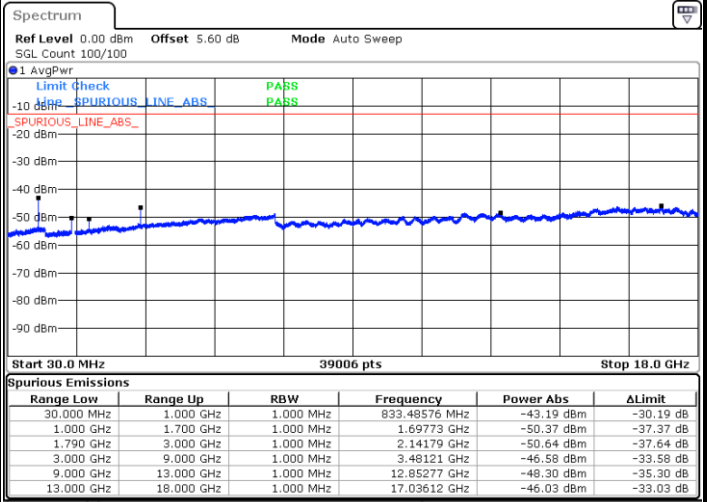
5G NR n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

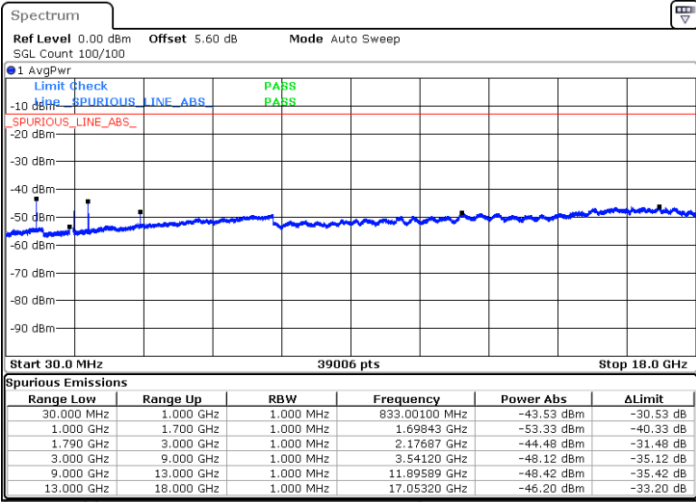


Date: 28 JUN 2020 23:46:30



Date: 28 JUN 2020 23:53:04

Highest Channel / 1RB1



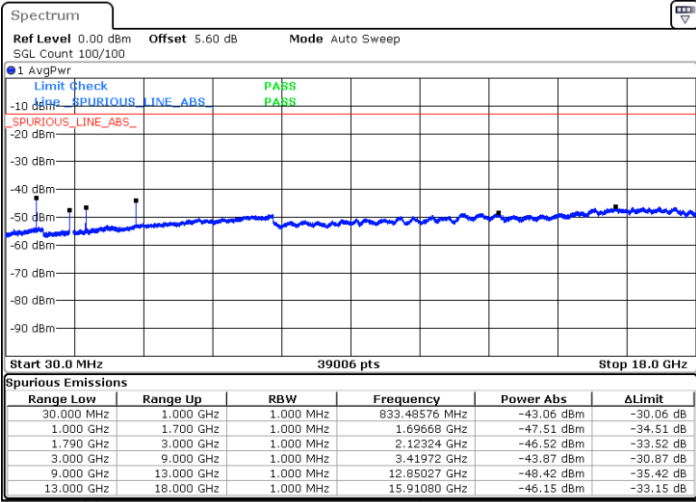
Date: 29 JUN 2020 00:05:06



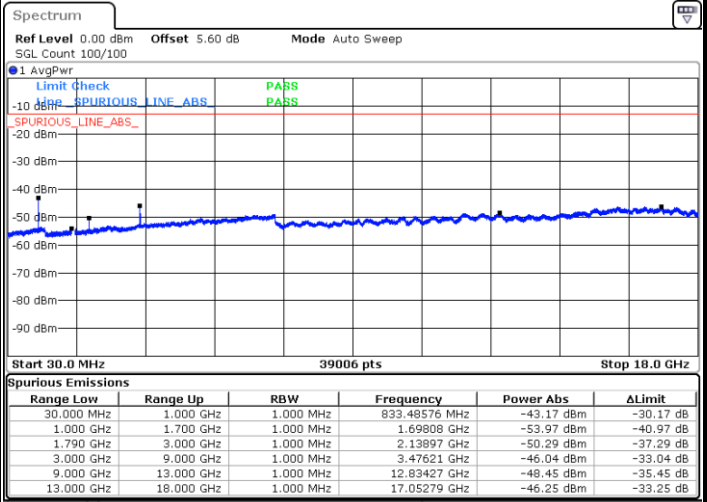
5G NR n66 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

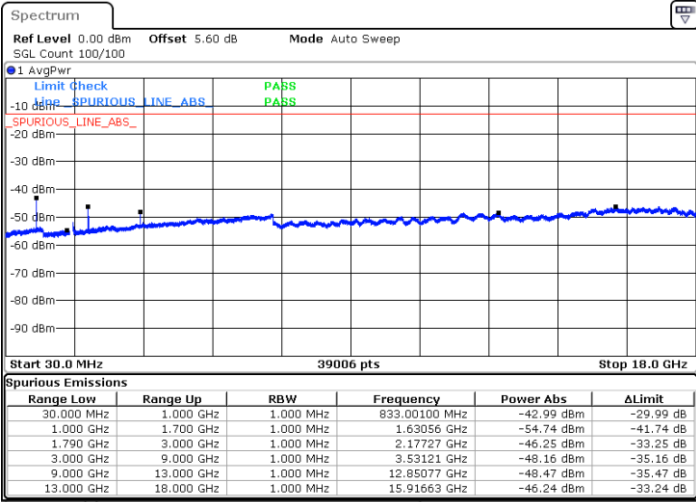


Date: 29 JUN 2020 00:14:08



Date: 29 JUN 2020 00:22:14

Highest Channel / 1RB1



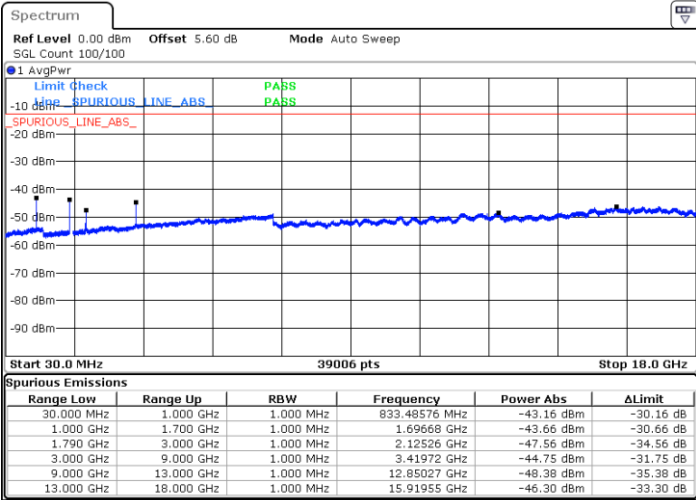
Date: 29 JUN 2020 00:35:18



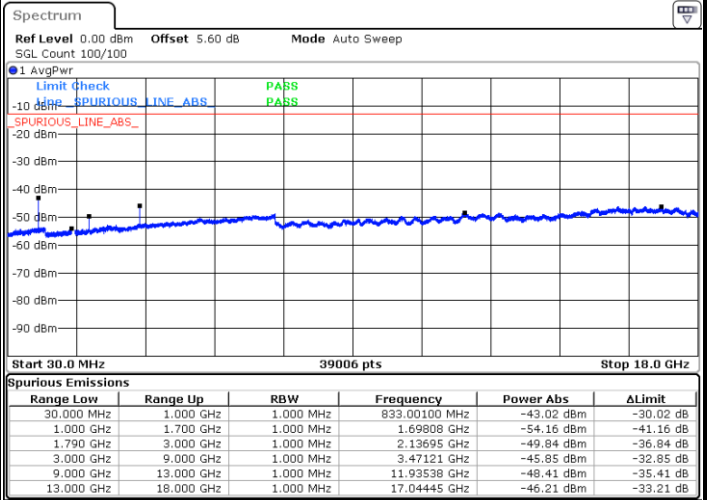
5G NR n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

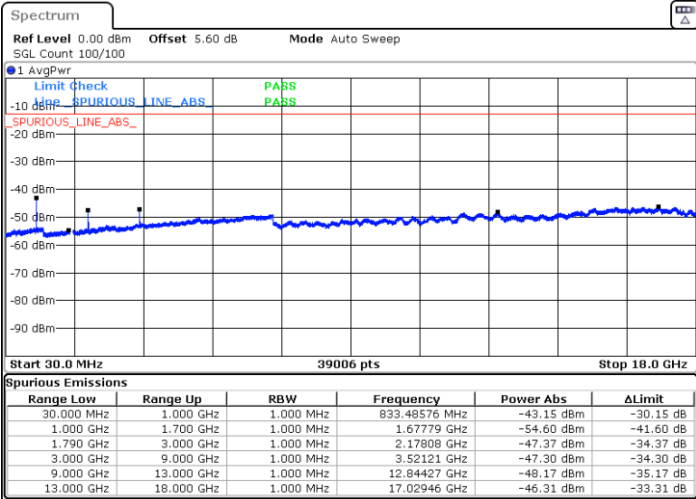


Date: 29 JUN 2020 00:44:37



Date: 29 JUN 2020 00:50:25

Highest Channel / 1RB1



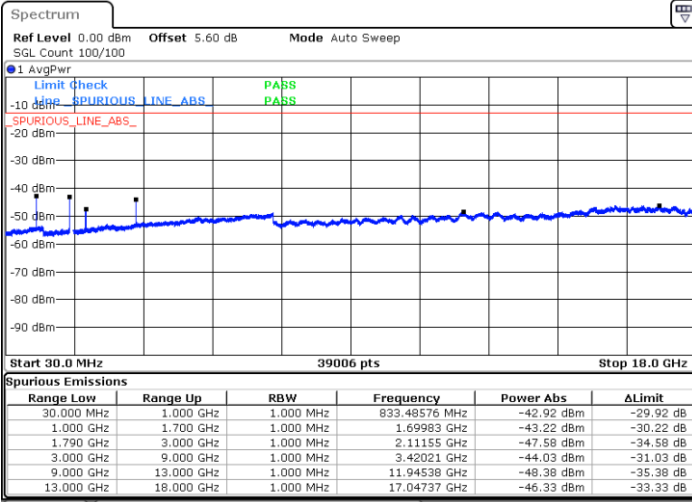
Date: 29 JUN 2020 01:48:12



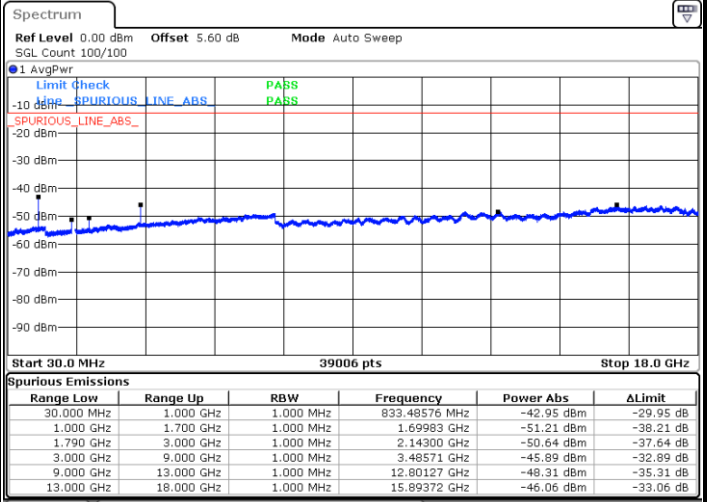
5G NR n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

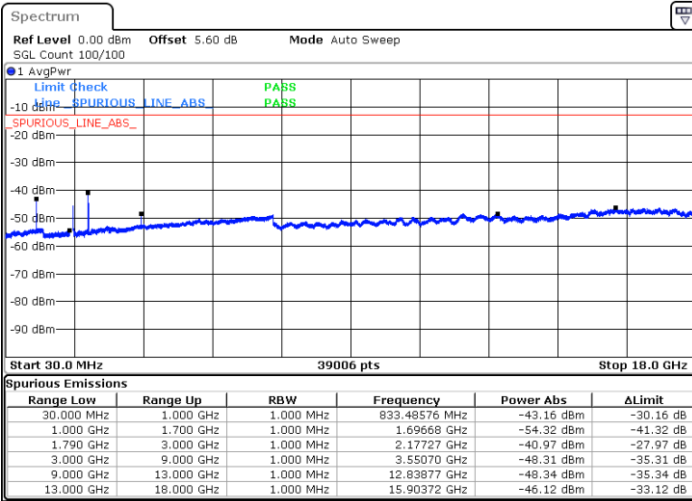


Date: 28 JUN 2020 23:12:59



Date: 28 JUN 2020 23:15:57

Highest Channel / 1RB1

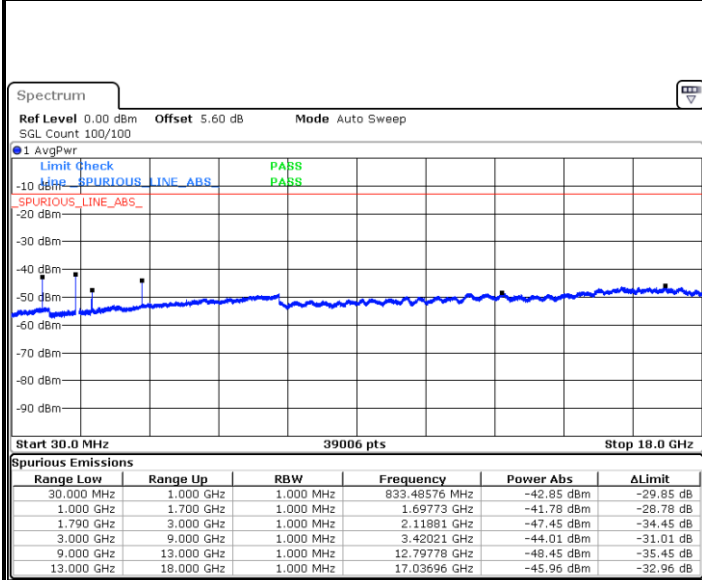


Date: 28 JUN 2020 23:31:59



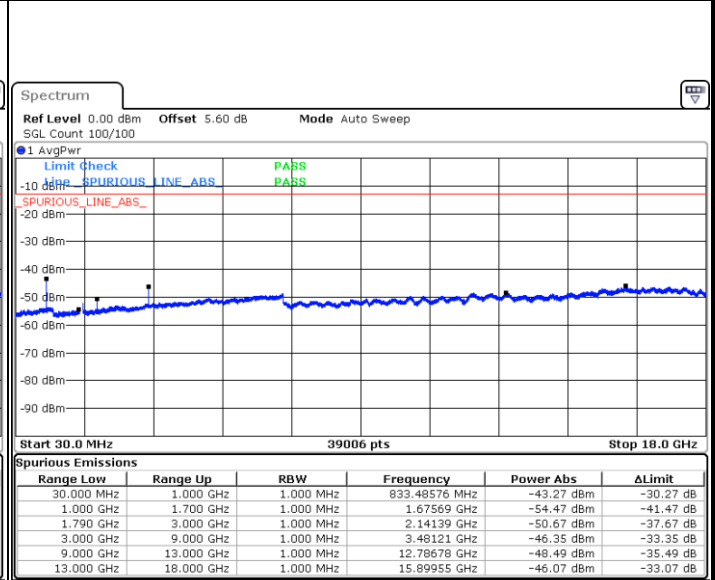
5G NR n66 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1



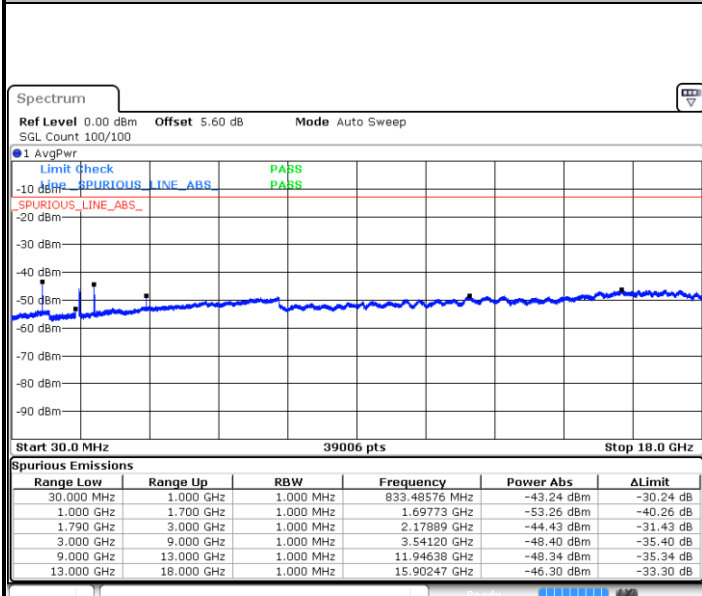
Date: 28 JUN 2020 23:42:56

Middle Channel / 1RB1



Date: 28 JUN 2020 23:52:26

Highest Channel / 1RB1

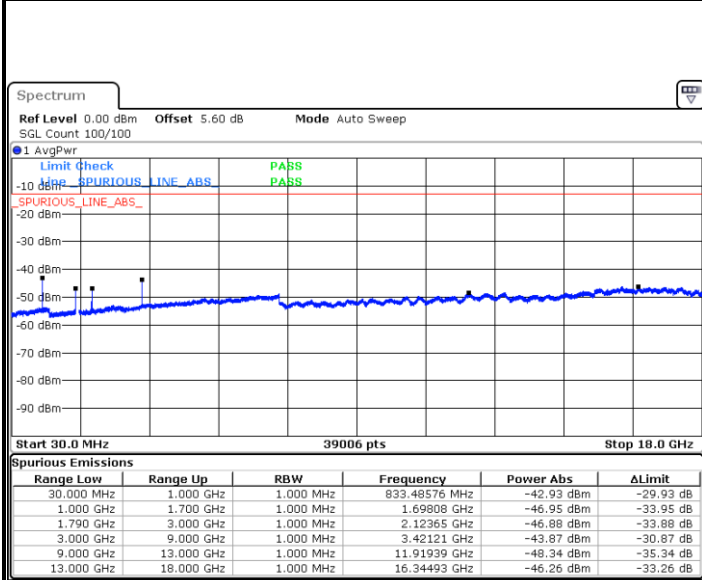


Date: 29 JUN 2020 00:03:34



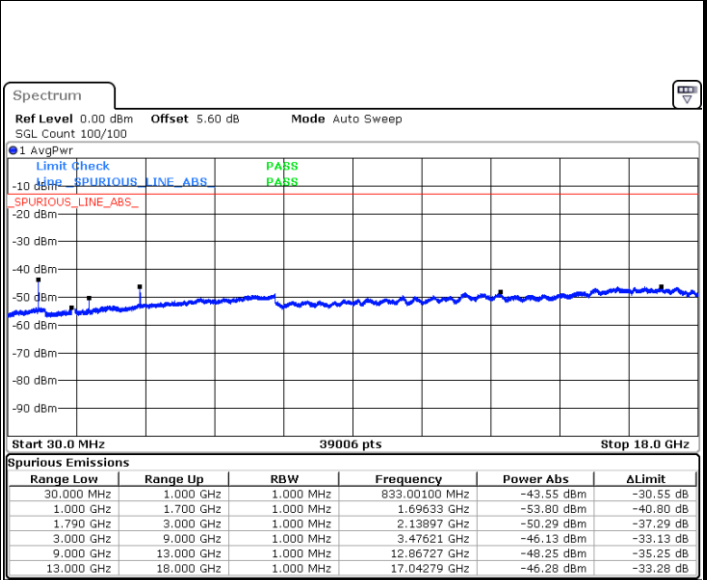
5G NR n66 / 15MHz / DFT-S OFDM /BPSK

Lowest Channel / 1RB1



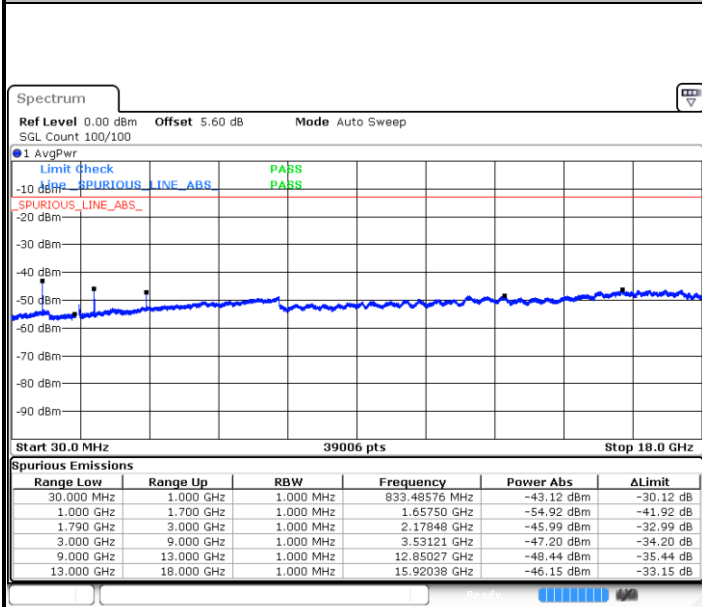
Date: 29 JUN 2020 00:12:34

Middle Channel / 1RB1



Date: 29 JUN 2020 00:18:43

Highest Channel / 1RB1



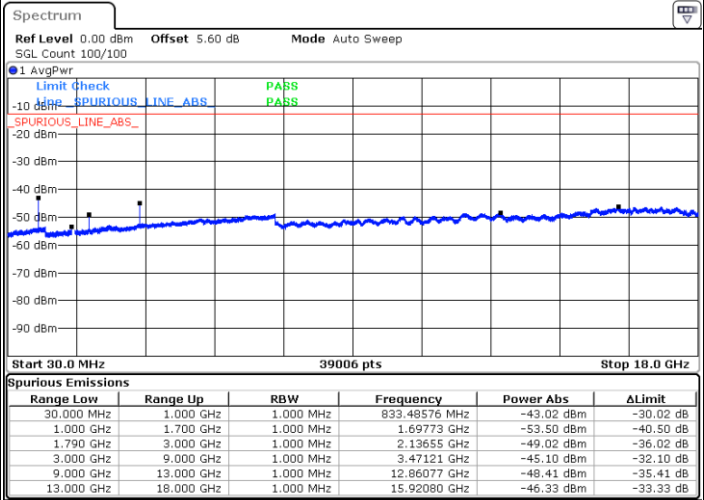
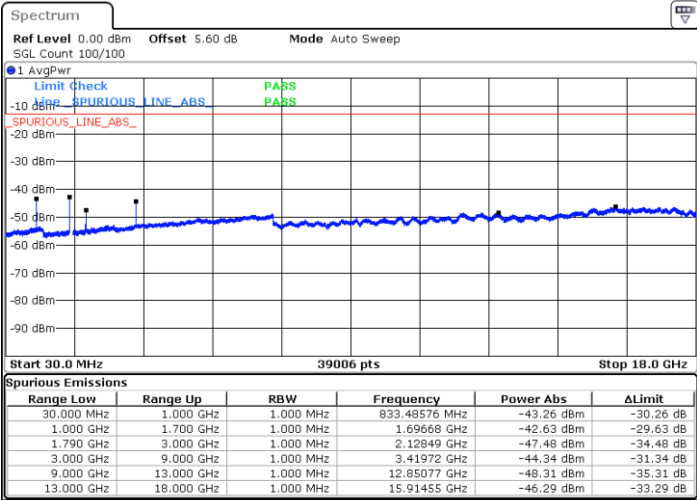
Date: 29 JUN 2020 00:34:03



5G NR n66 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

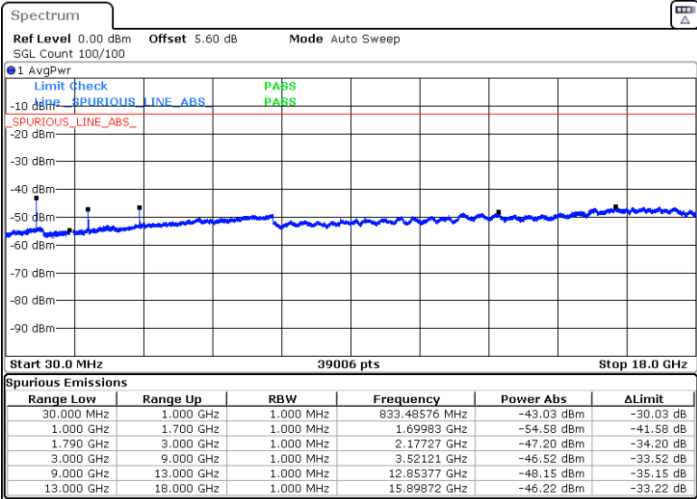
Middle Channel / 1RB1



Date: 29 JUN 2020 00:42:45

Date: 29 JUN 2020 00:49:36

Highest Channel / 1RB1



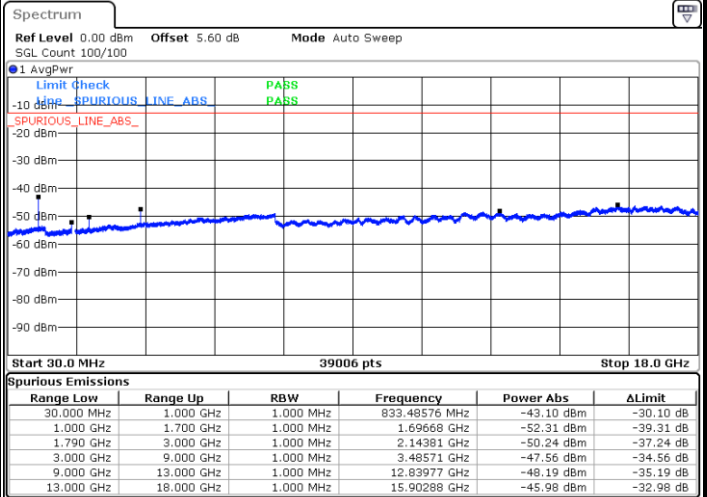
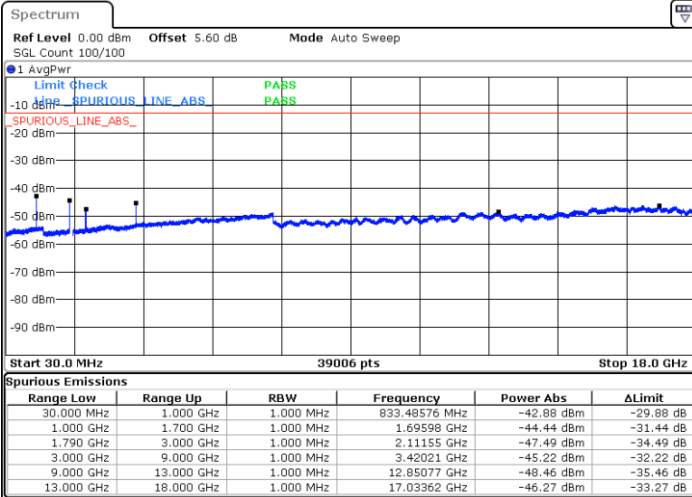
Date: 29 JUN 2020 01:46:31



5G NR n66 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB1

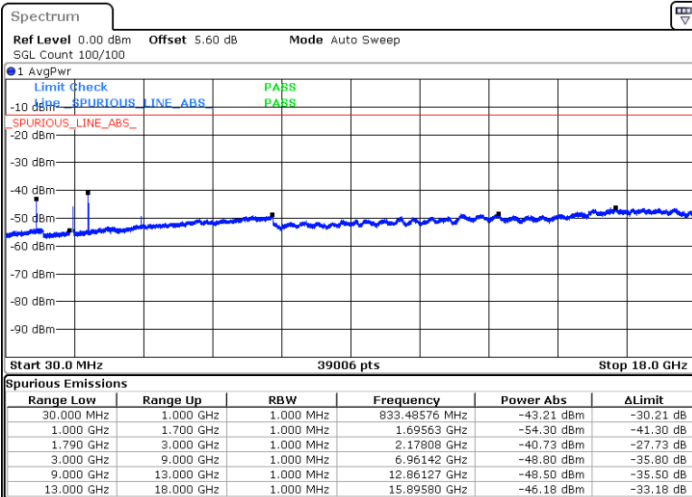
Middle Channel / 1RB1



Date: 28 JUN 2020 23:06:58

Date: 28 JUN 2020 23:17:19

Highest Channel / 1RB1

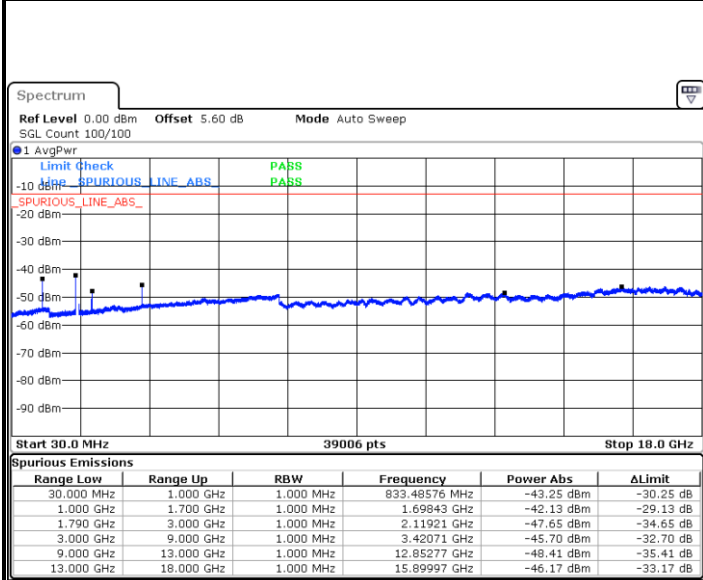


Date: 28 JUN 2020 23:34:11



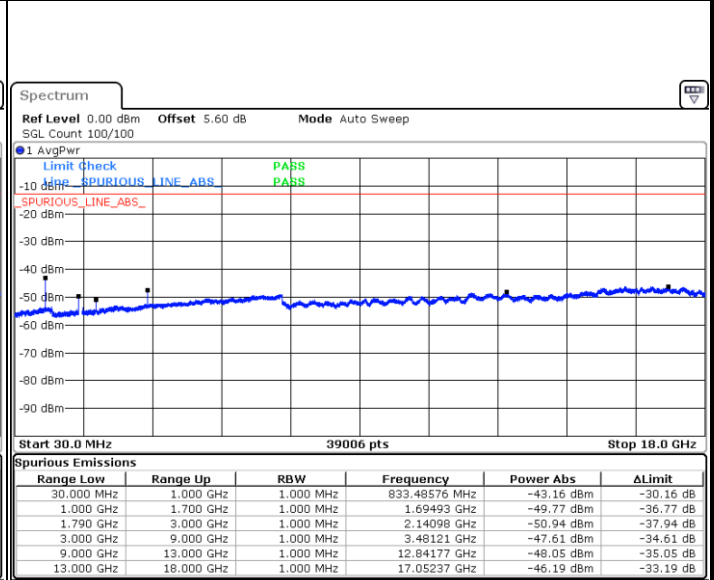
5G NR n66 / 10MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB1



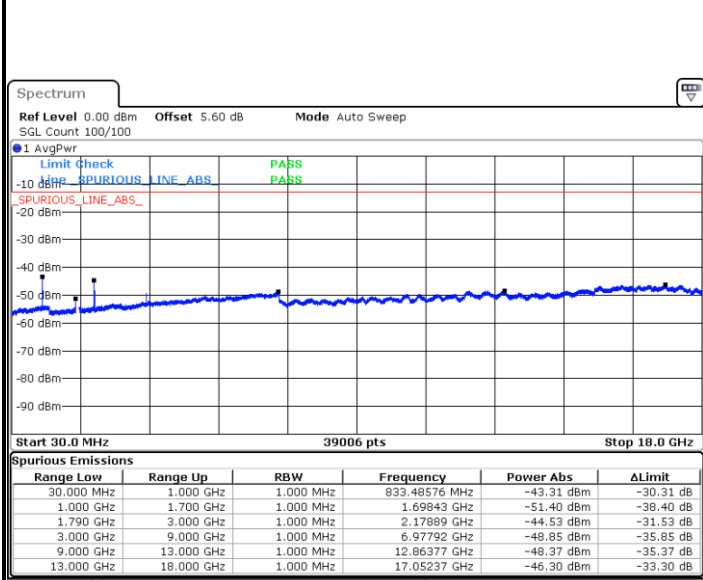
Date: 28 JUN 2020 23:47:25

Middle Channel / 1RB1



Date: 28 JUN 2020 23:53:46

Highest Channel / 1RB1

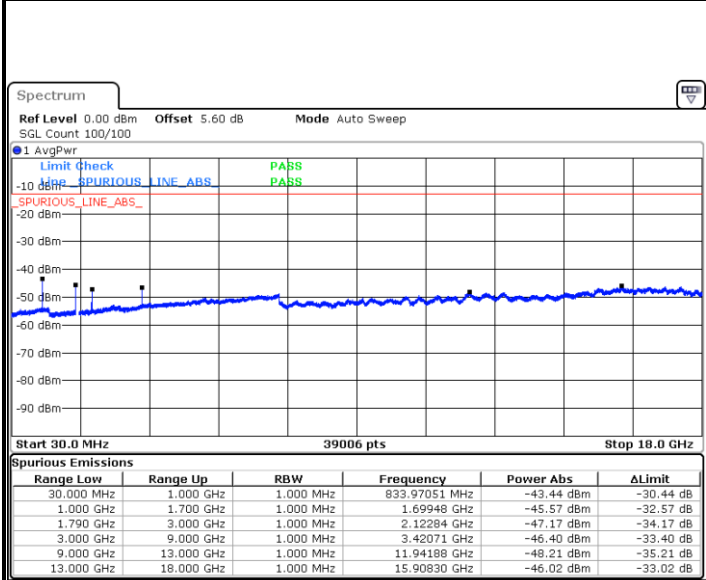


Date: 29 JUN 2020 00:05:53



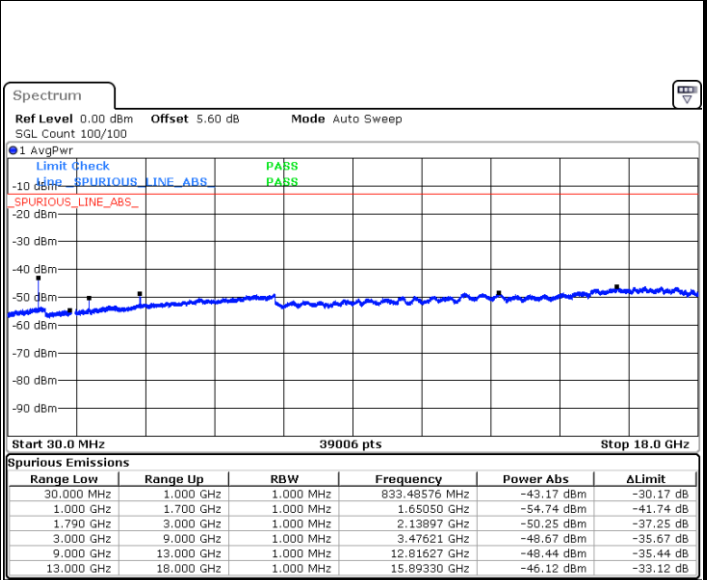
5G NR n66 / 15MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB1



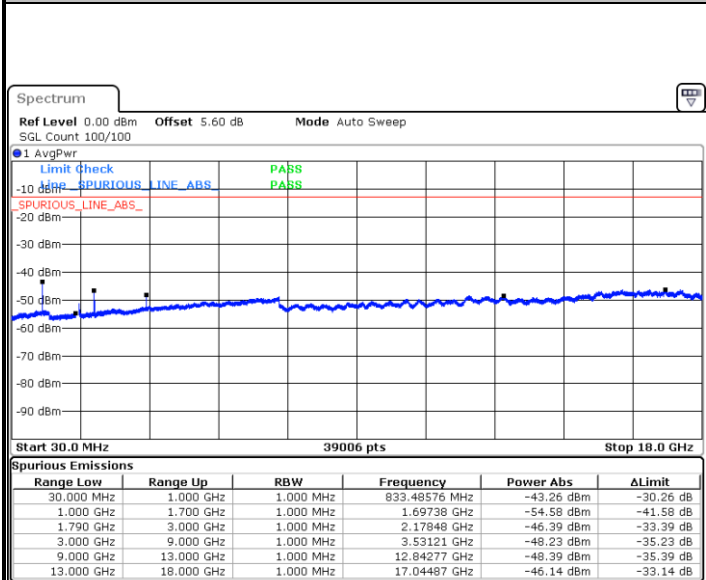
Date: 29 JUN 2020 00:14:58

Middle Channel / 1RB1



Date: 29 JUN 2020 00:24:33

Highest Channel / 1RB1

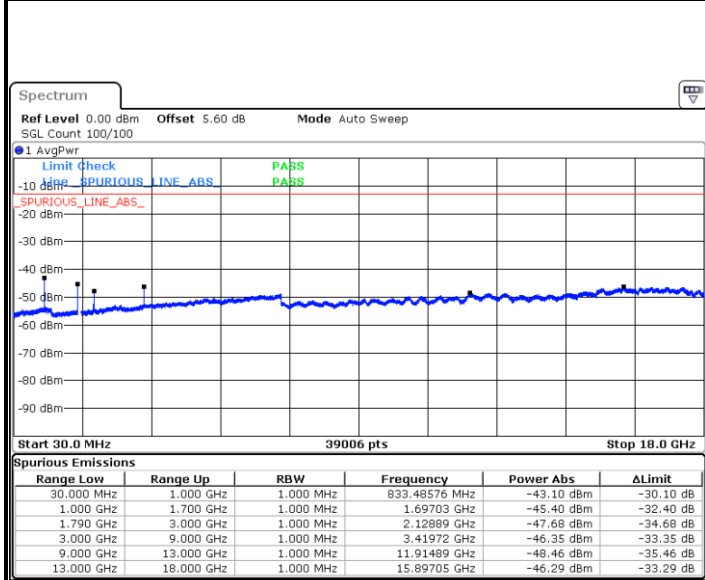


Date: 29 JUN 2020 00:35:58



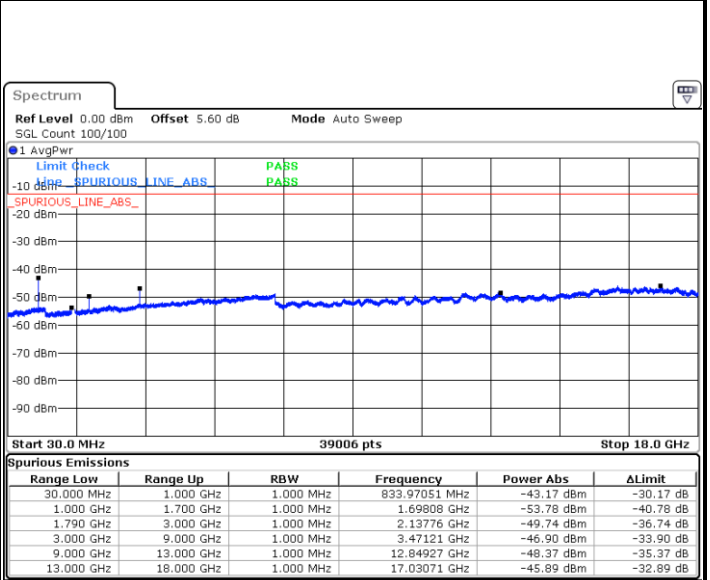
5G NR n66 / 20MHz / DFT-S OFDM / 16QAM

Lowest Channel / 1RB1



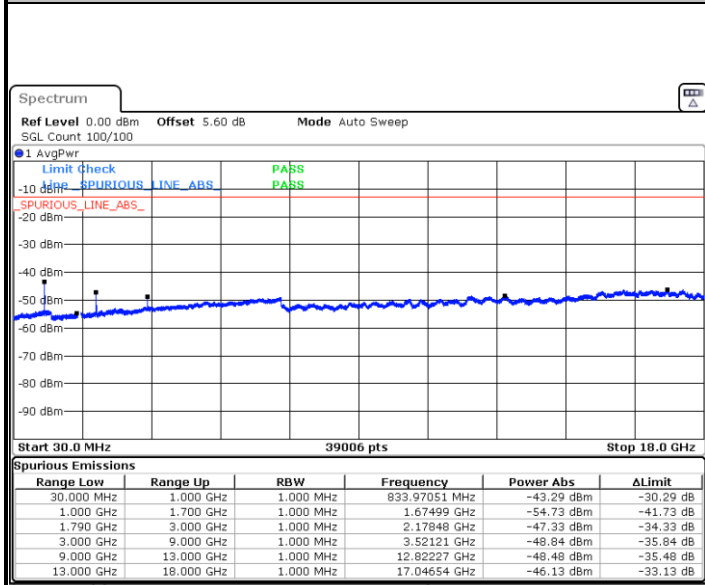
Date: 29 JUN 2020 00:45:48

Middle Channel / 1RB1



Date: 29 JUN 2020 00:51:13

Highest Channel / 1RB1



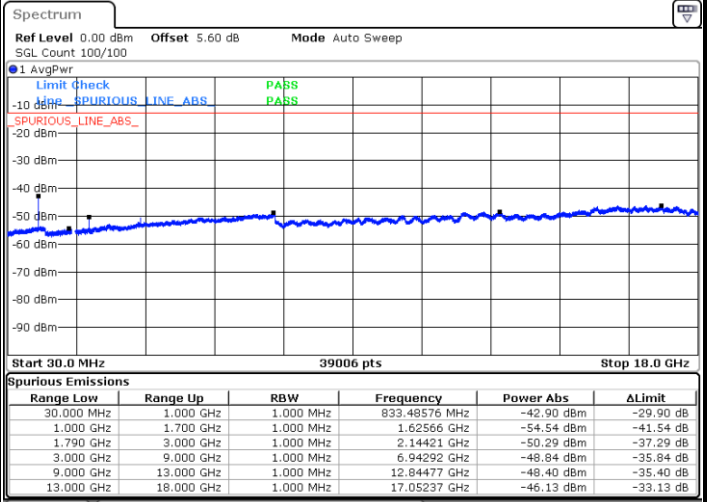
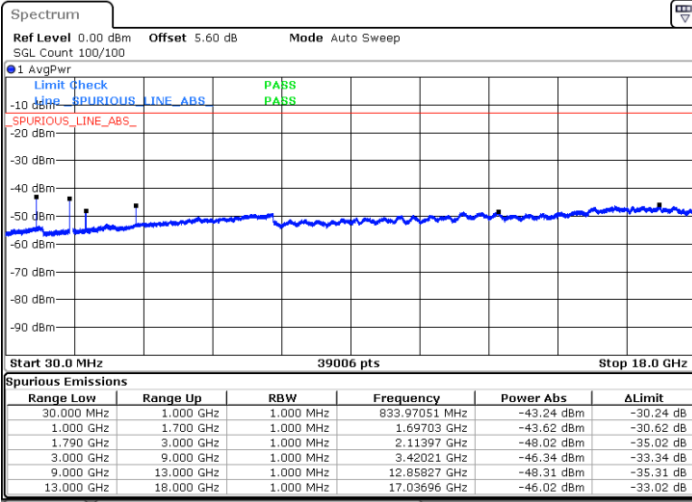
Date: 29 JUN 2020 01:48:57



5G NR n66 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB1

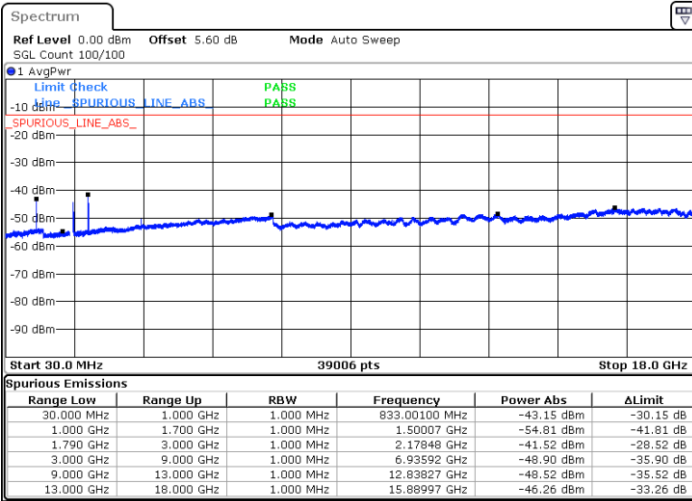
Middle Channel / 1RB1



Date: 28 JUN 2020 23:05:52

Date: 28 JUN 2020 23:18:50

Highest Channel / 1RB1

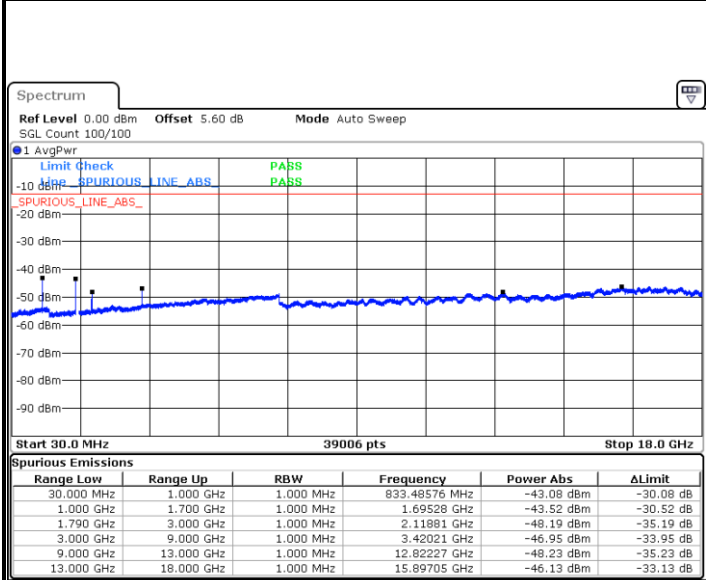


Date: 28 JUN 2020 23:34:51



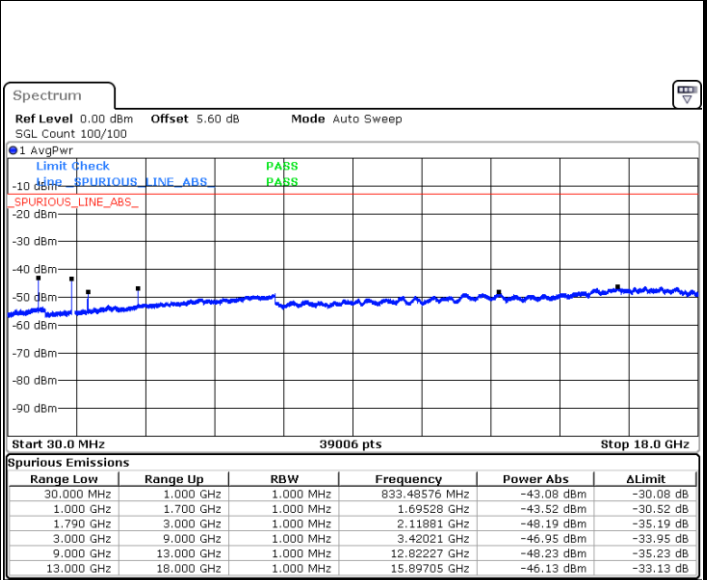
5G NR n66 / 10MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB1



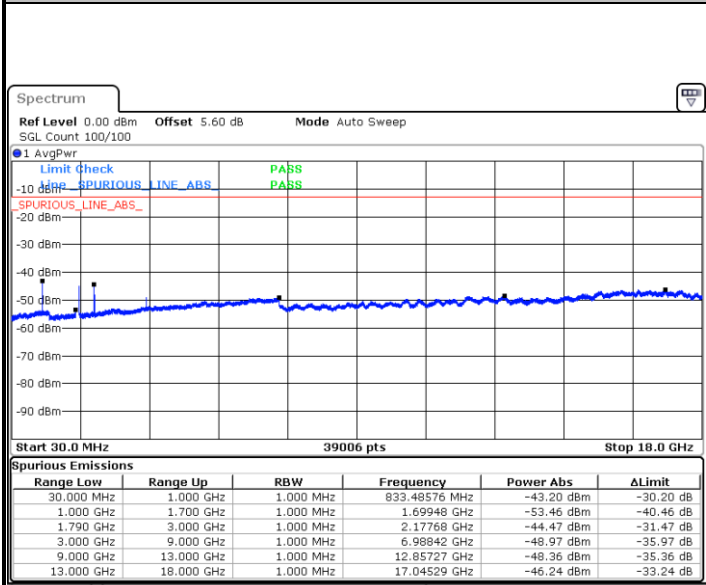
Date: 28 JUN 2020 23:48:16

Middle Channel / 1RB1



Date: 28 JUN 2020 23:48:16

Highest Channel / 1RB1

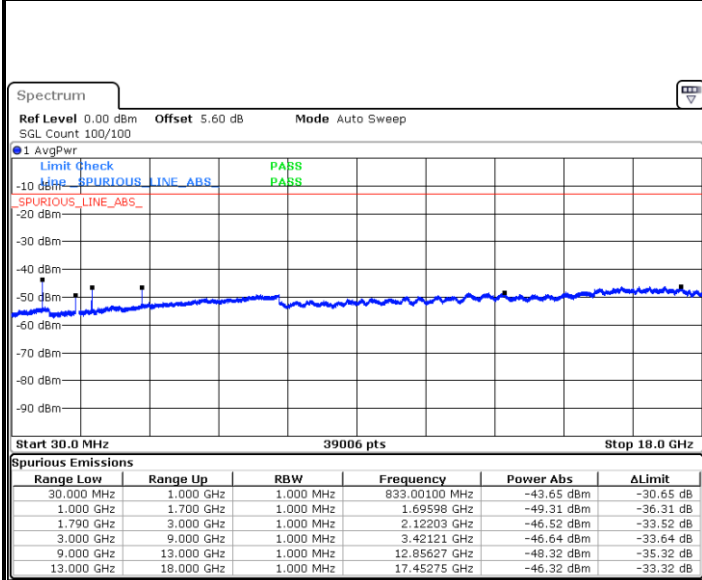


Date: 29 JUN 2020 00:06:40



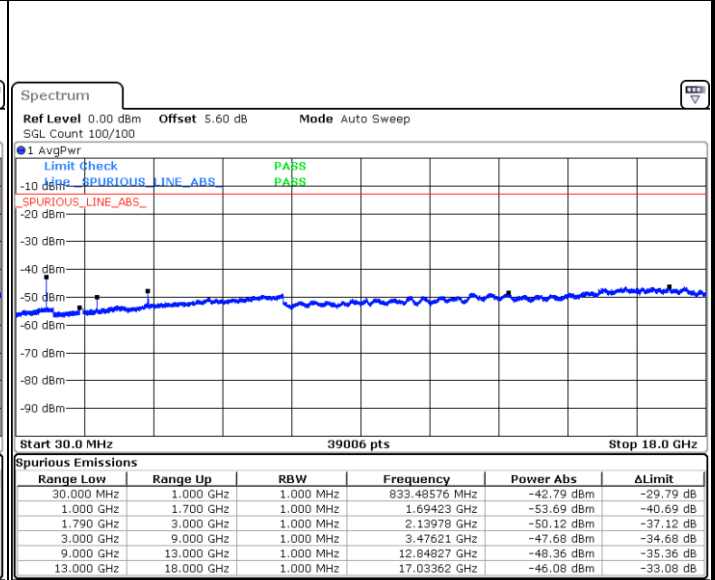
5G NR n66 / 15MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB1



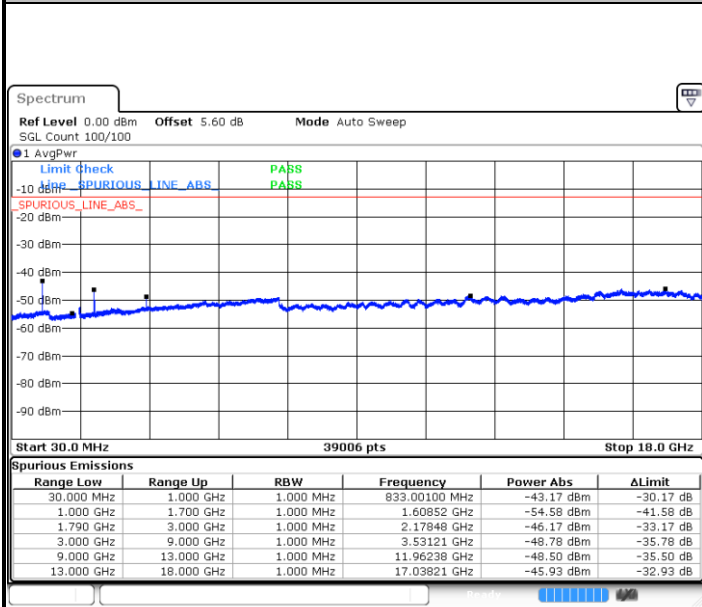
Date: 29 JUN 2020 00:16:23

Middle Channel / 1RB1



Date: 29 JUN 2020 00:25:14

Highest Channel / 1RB1



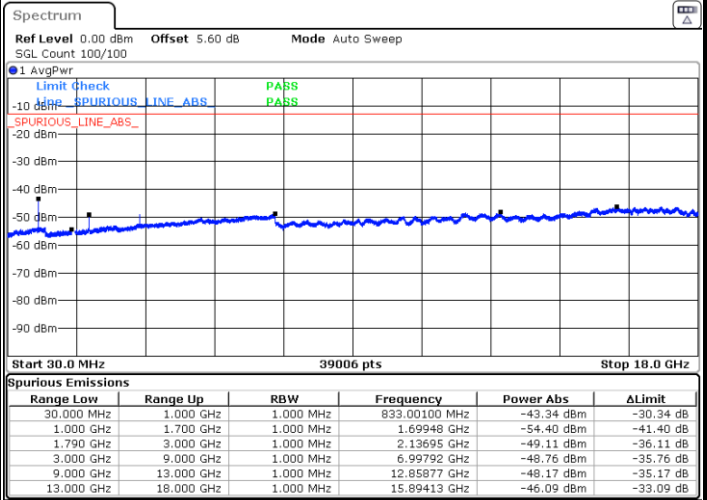
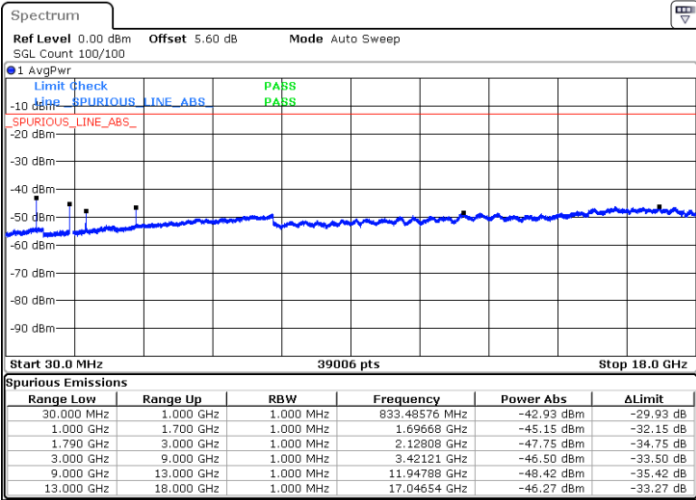
Date: 29 JUN 2020 00:36:37



5G NR n66 / 20MHz / DFT-S OFDM / 64QAM

Lowest Channel / 1RB1

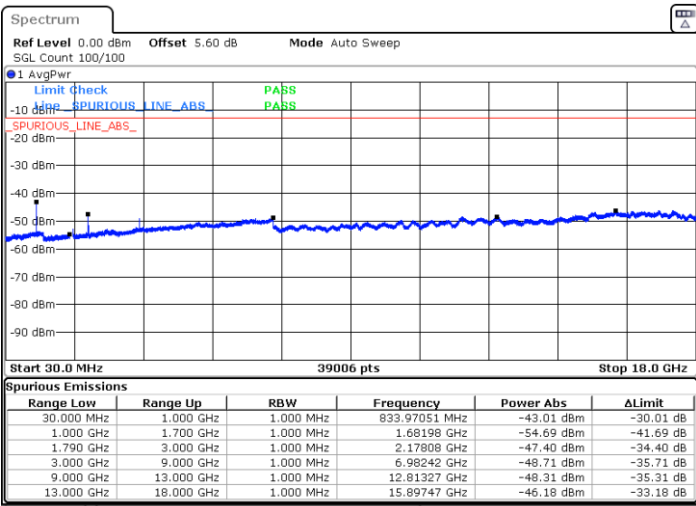
Middle Channel / 1RB1



Date: 29 JUN 2020 00:47:29

Date: 29 JUN 2020 01:02:14

Highest Channel / 1RB1



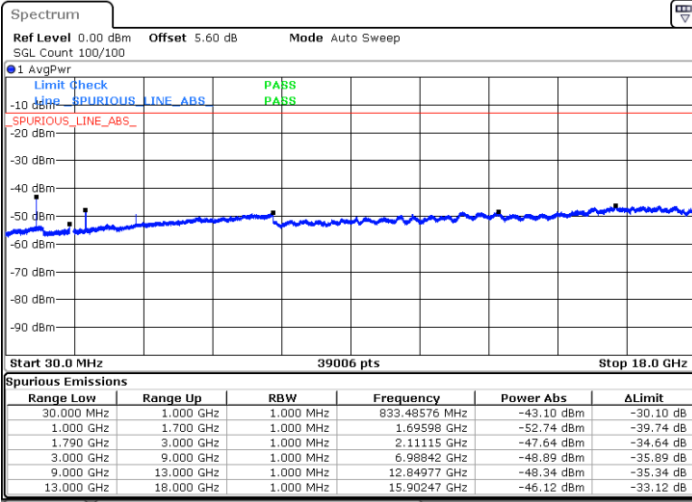
Date: 29 JUN 2020 01:49:38



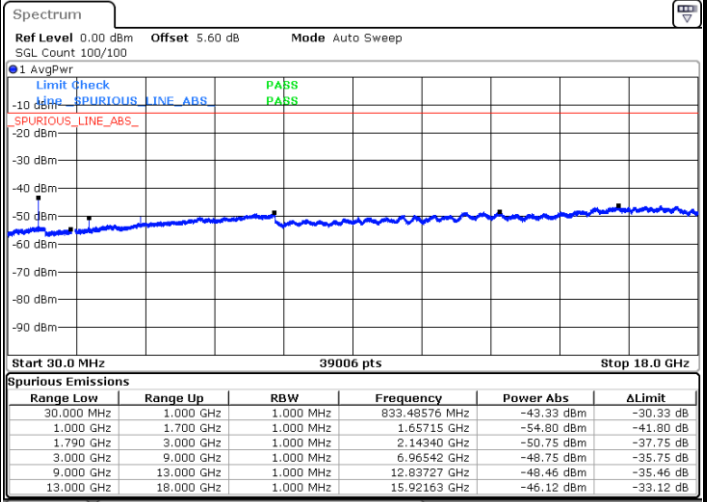
5G NR n66 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB1

Middle Channel / 1RB1

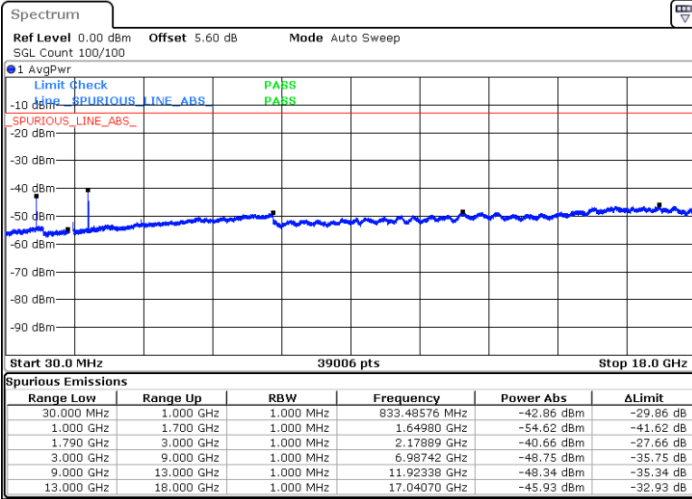


Date: 28 JUN 2020 23:03:42



Date: 28 JUN 2020 23:19:40

Highest Channel / 1RB1



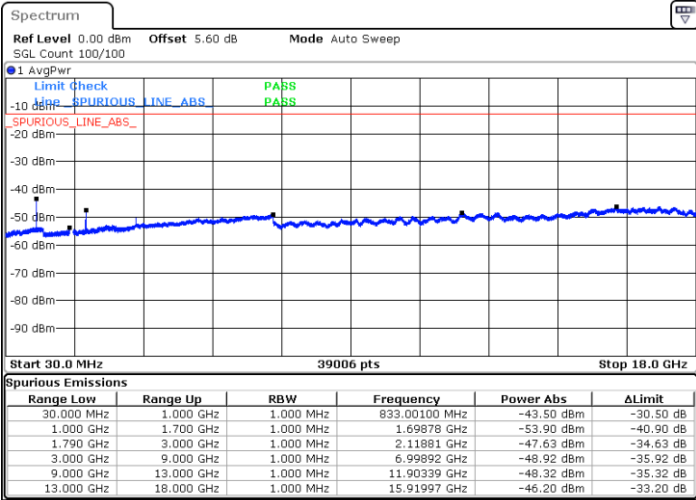
Date: 28 JUN 2020 23:35:37



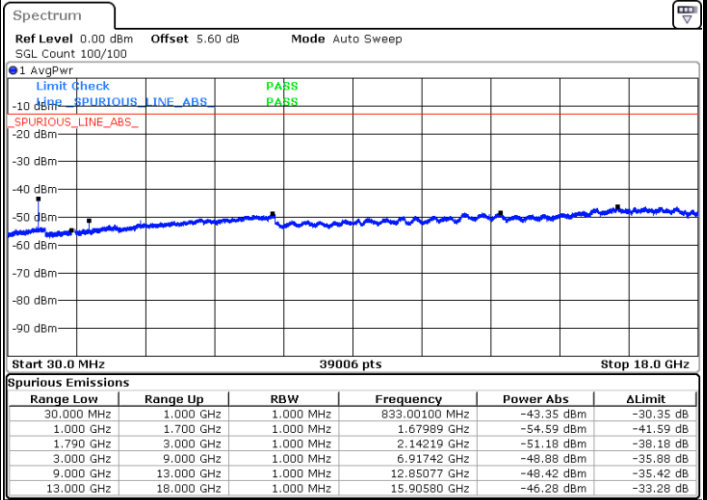
5G NR n66 / 10MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB1

Middle Channel / 1RB1

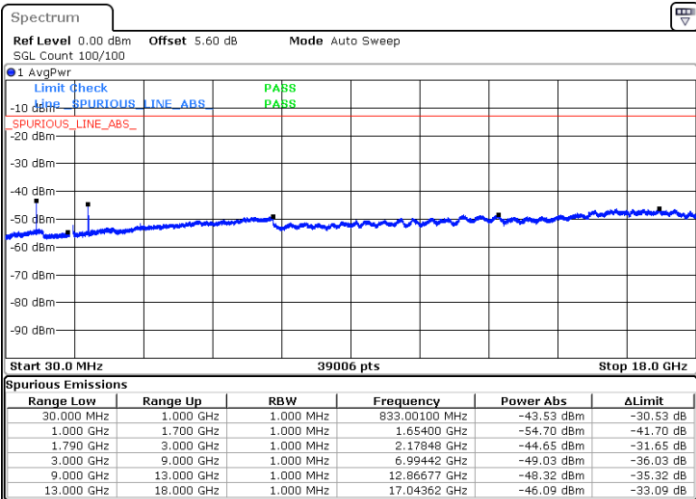


Date: 28 JUN 2020 23:49:13



Date: 28 JUN 2020 23:55:14

Highest Channel / 1RB1

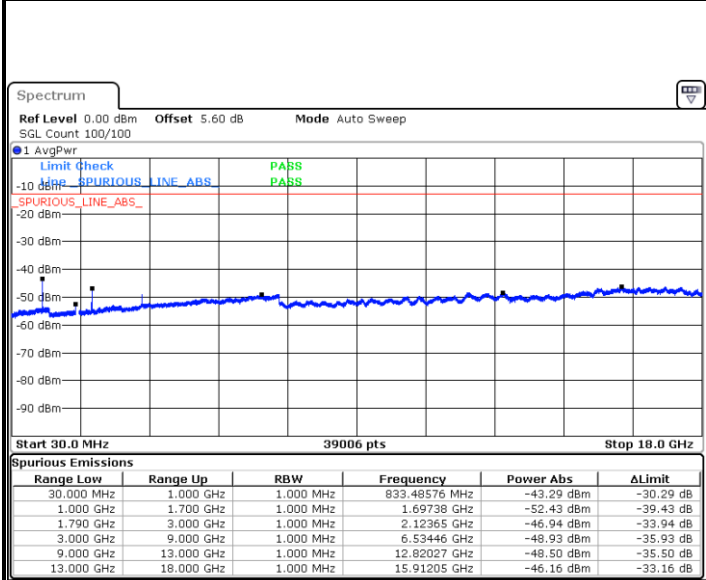


Date: 29 JUN 2020 00:07:24



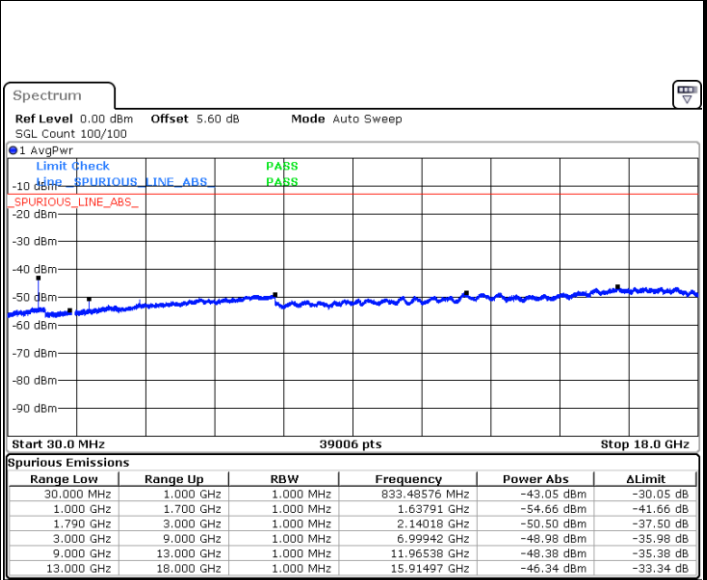
5G NR n66 / 15MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB1



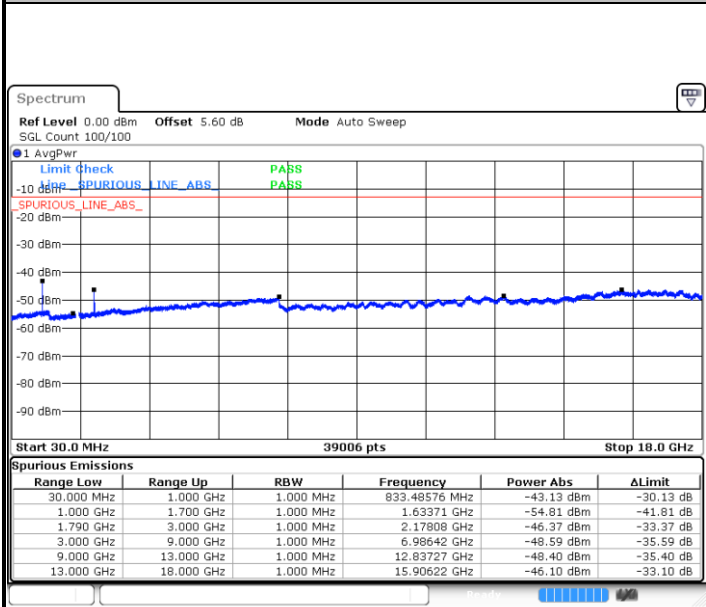
Date: 29 JUN 2020 00:17:22

Middle Channel / 1RB1



Date: 29 JUN 2020 00:25:59

Highest Channel / 1RB1



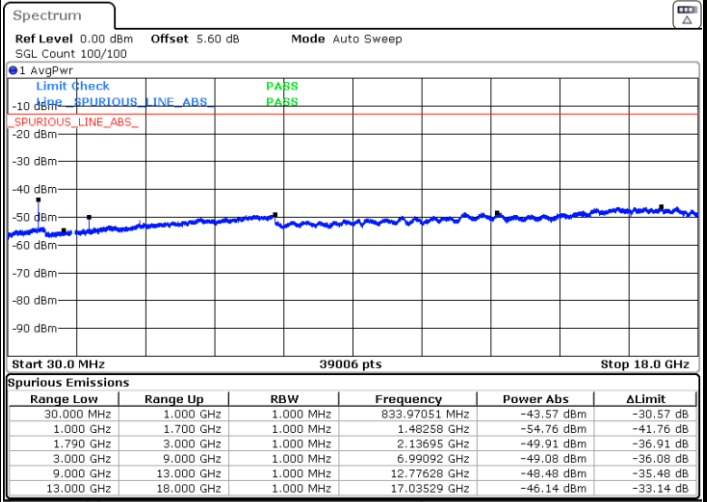
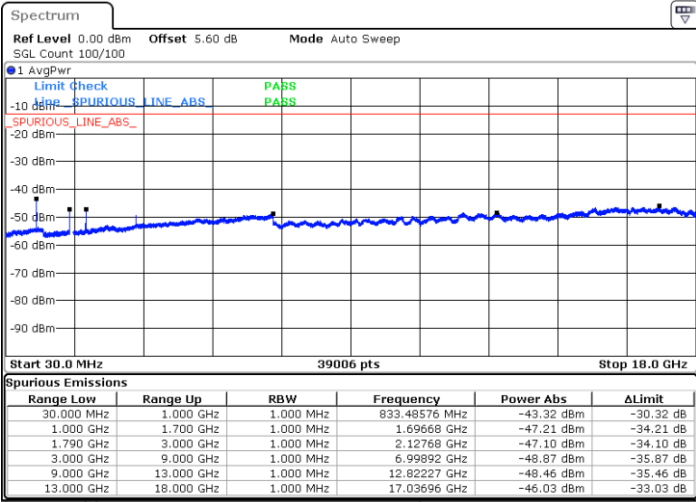
Date: 29 JUN 2020 00:37:25



5G NR n66 / 20MHz / DFT-S OFDM / 256QAM

Lowest Channel / 1RB1

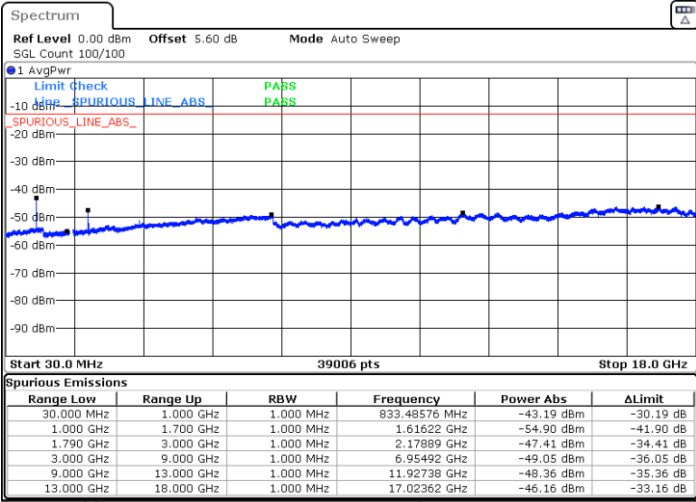
Middle Channel / 1RB1



Date: 29 JUN 2020 00:48:30

Date: 29 JUN 2020 01:03:06

Highest Channel / 1RB1



Date: 29 JUN 2020 01:51:12



Frequency Stability

Test Conditions		5G NR n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0011	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



5G NR EN-DC_2A_n71

Peak-to-Average Ratio

Mode	N71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.67	5.36	5.62	6.46	PASS
Middle CH	5.07	5.19	6.03	6.35	
Highest CH	4.72	5.36	5.59	6.55	
Mode	N71 / 20MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.23	6.90	7.22	7.10	PASS
Middle CH	6.90	6.72	7.07	7.28	
Highest CH	7.39	6.96	7.36	7.48	
Mode	N71 / 20MHz				
Mod.	BPSK				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.55	5.42			PASS
Middle CH	5.33	4.20			
Highest CH	4.52	4.67			



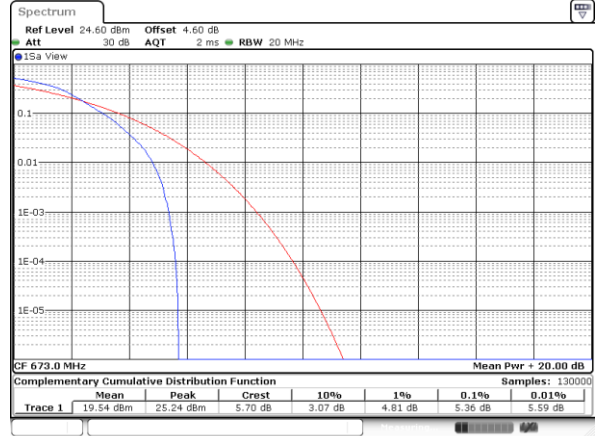
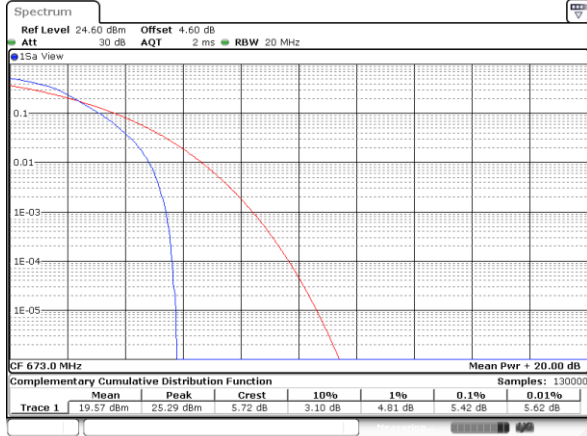
5G NR n71 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / Full RB

Lowest Channel / Full RB

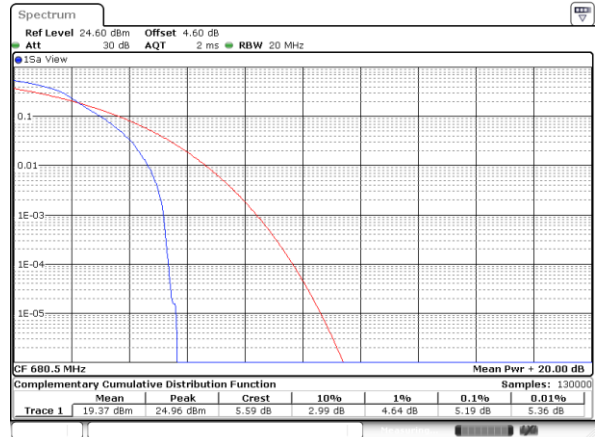
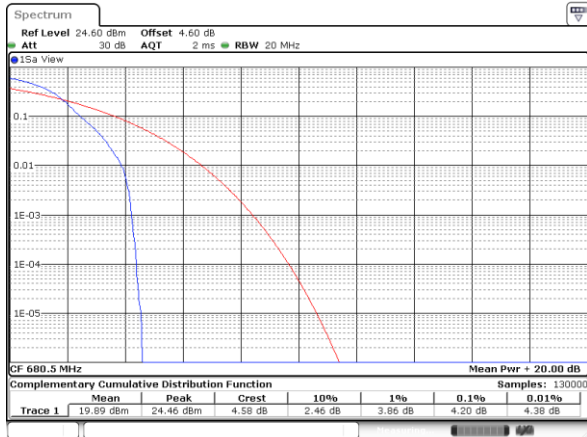


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Middle Channel / Full RB

Middle Channel / Full RB

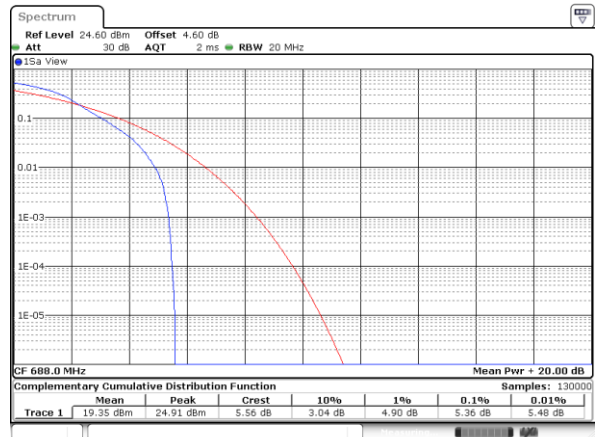
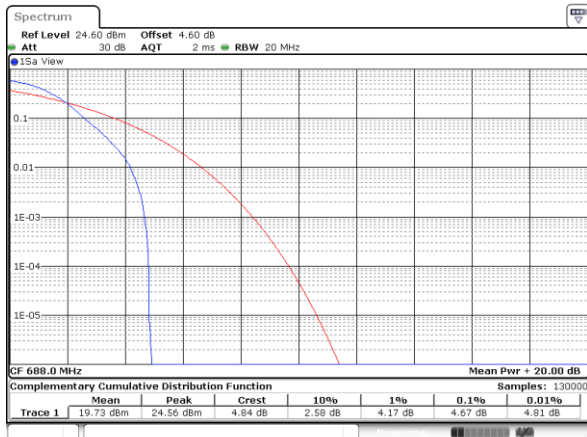


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Highest Channel / Full RB

Highest Channel / Full RB



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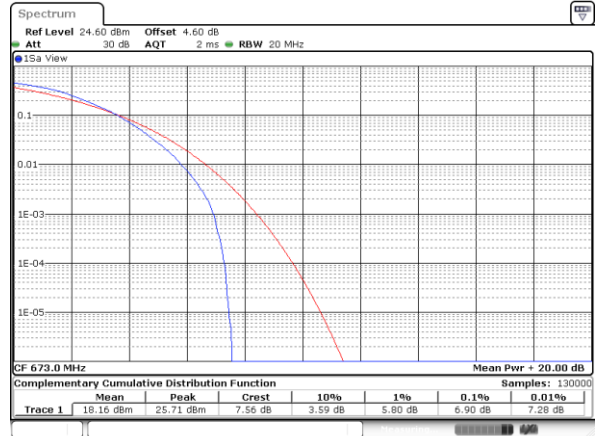
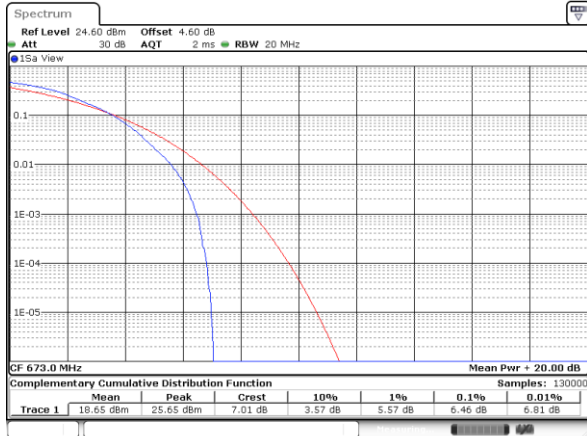
5G NR n71 / 20MHz / DFT-S OFDM

16QAM

64QAM

Lowest Channel / Full RB

Lowest Channel / Full RB

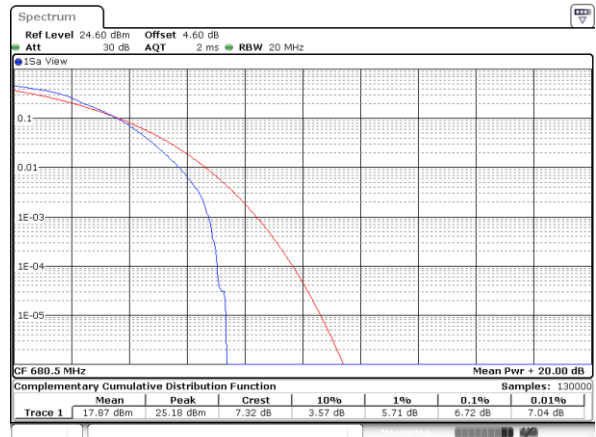
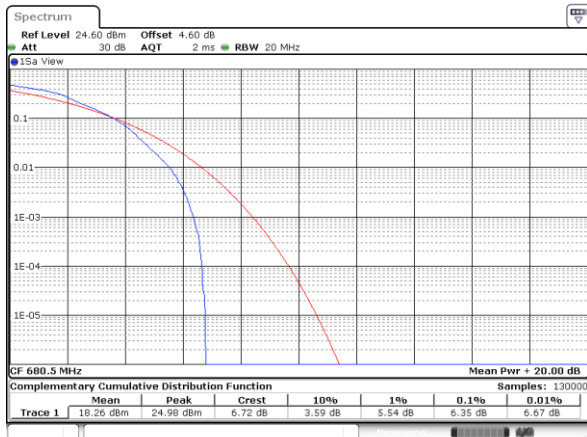


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Middle Channel / Full RB

Middle Channel / Full RB

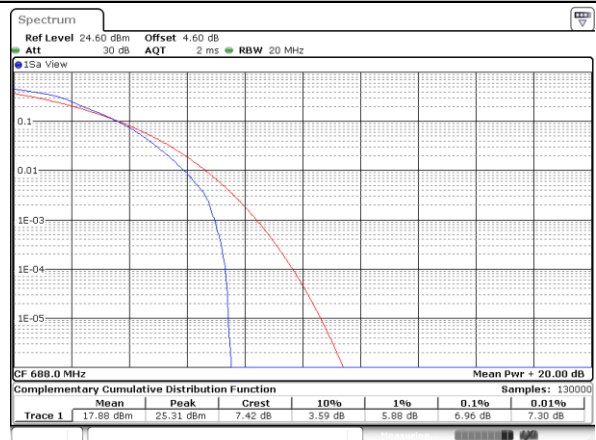


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Highest Channel / Full RB

Highest Channel / Full RB



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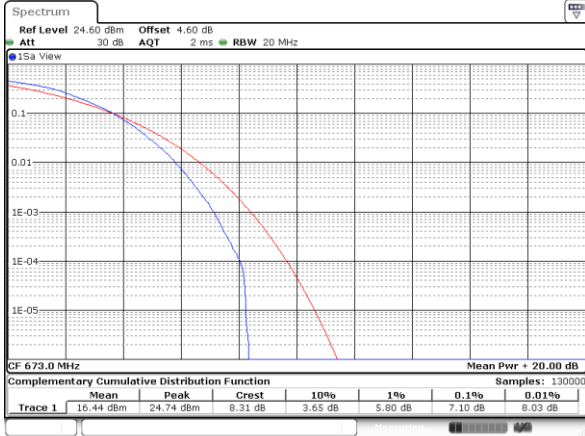
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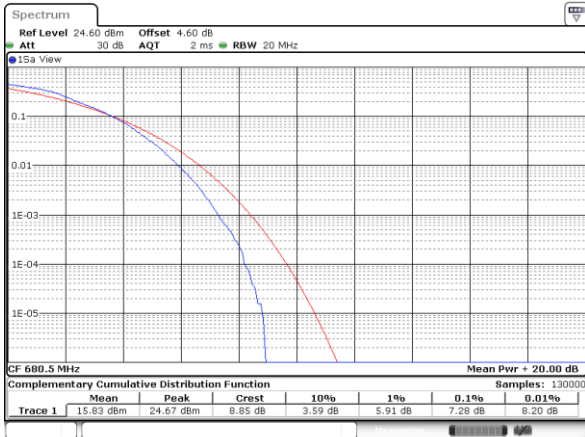
5G NR n71 / 20MHz / DFT-S OFDM

256QAM

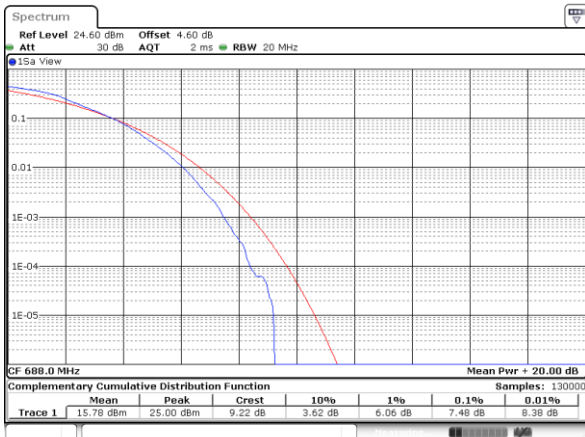
Lowest Channel / Full RB



Middle Channel / Full RB



Highest Channel / Full RB





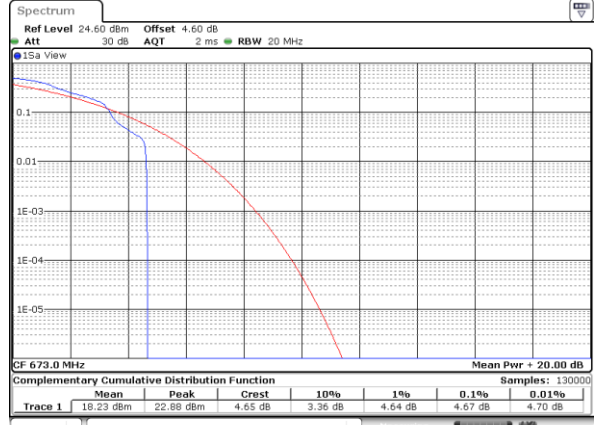
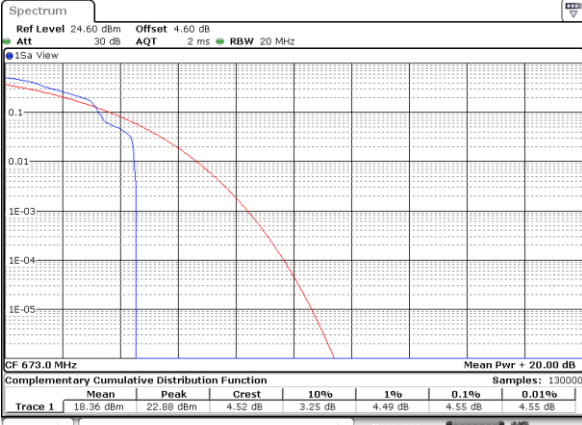
5G NR n71 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RB0

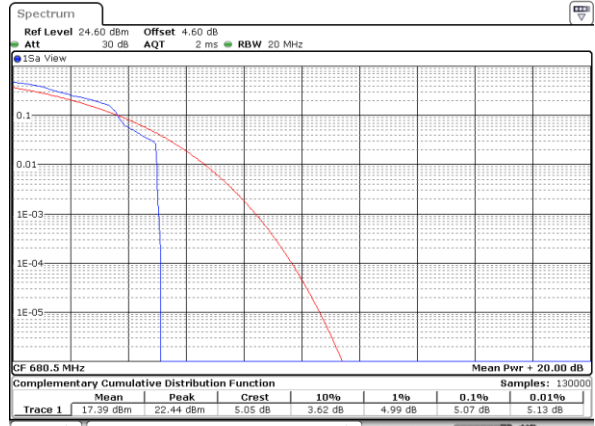
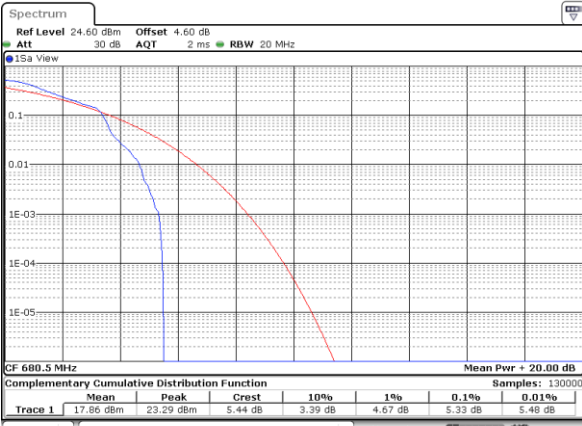


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Middle Channel / 1RB0

Middle Channel / 1RB0

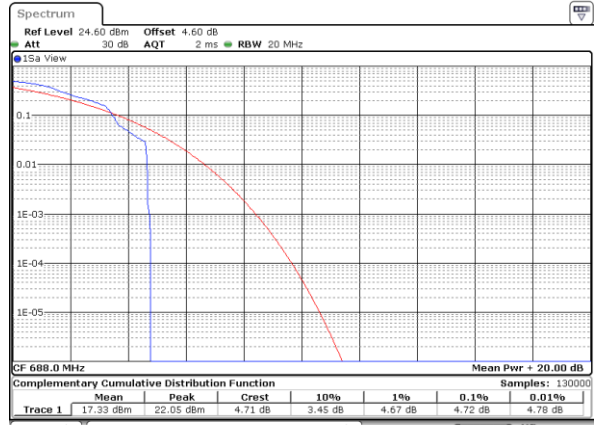
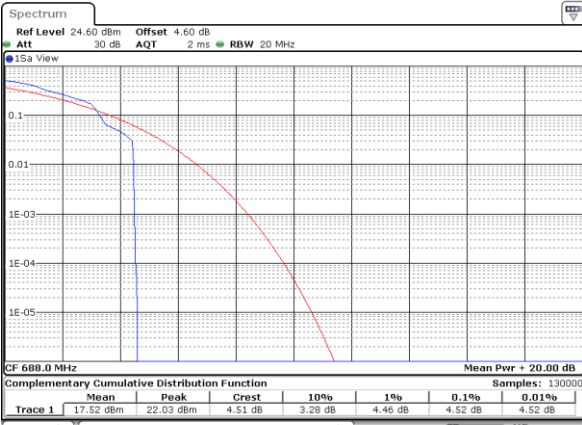


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Highest Channel / 1RB0

Highest Channel / 1RB0



Date: 26 JUN 2020 14:49:02

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