

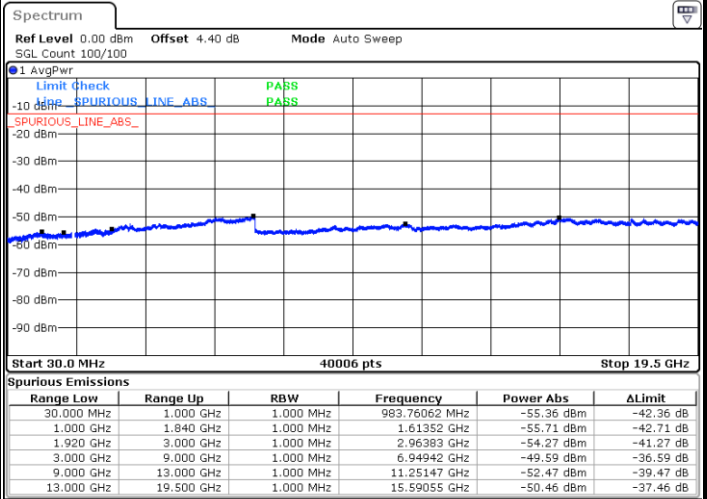
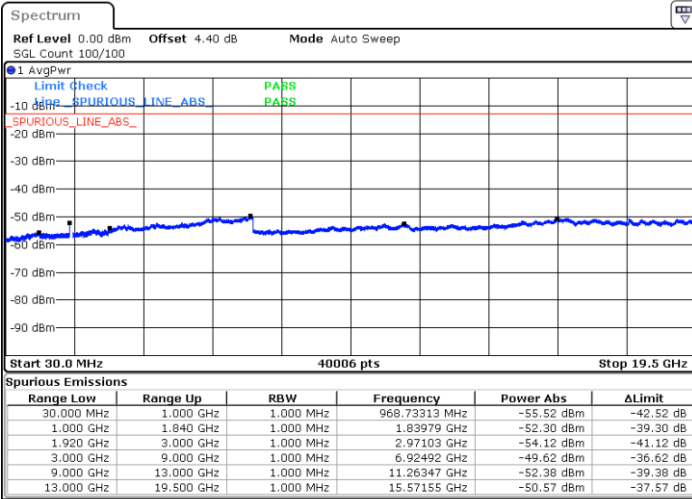


Conducted Spurious Emission

FR1 n25 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

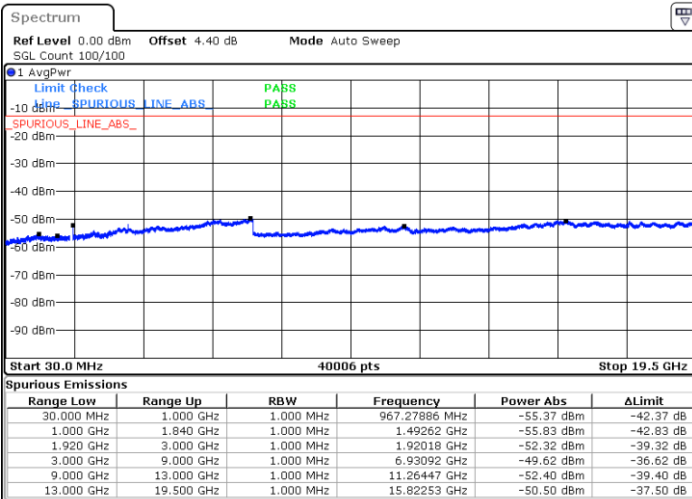
Middle Channel / 1RB



Date: 14.JAN.2021 06:41:40

Date: 14.JAN.2021 06:51:49

Highest Channel / 1RB



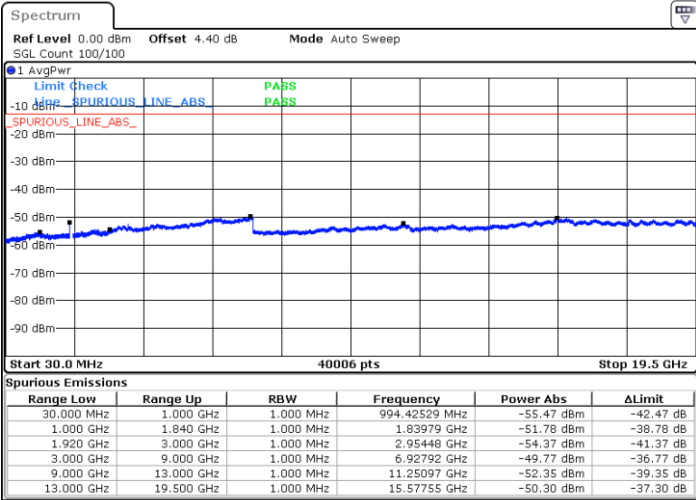
Date: 14.JAN.2021 07:35:57



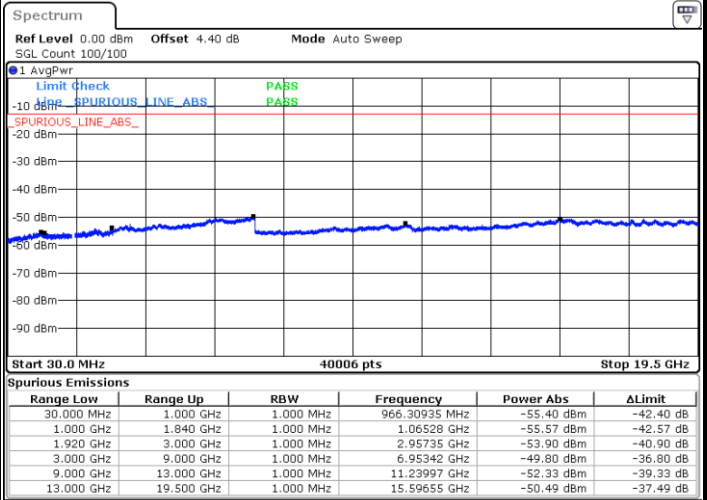
FR1 n25 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

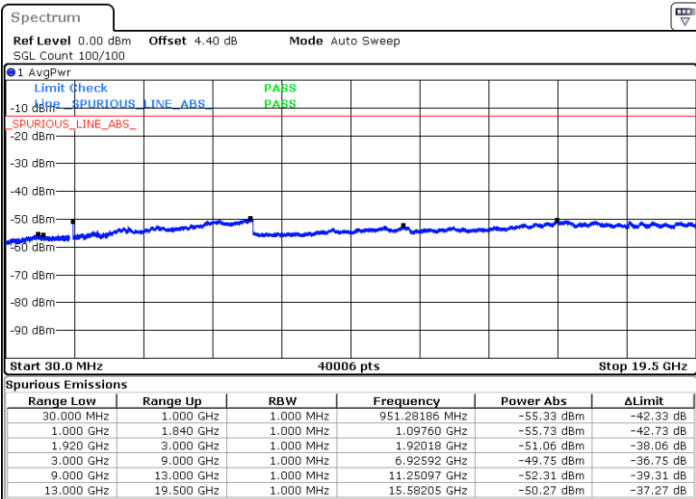


Date: 14.JAN.2021 06:43:31



Date: 14.JAN.2021 07:33:23

Highest Channel / 1RB



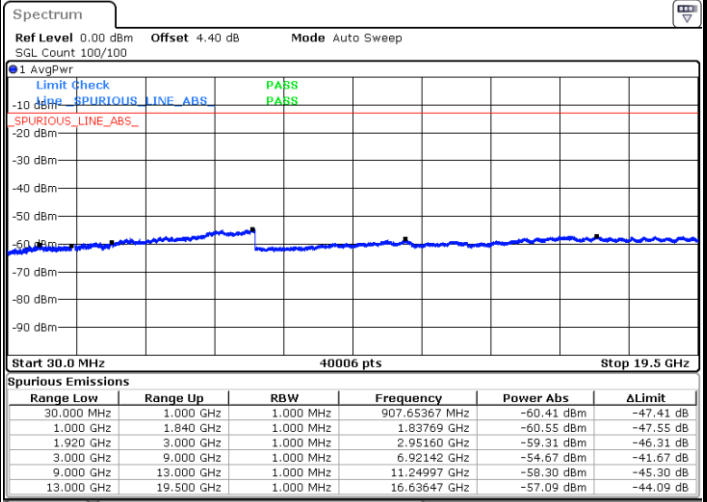
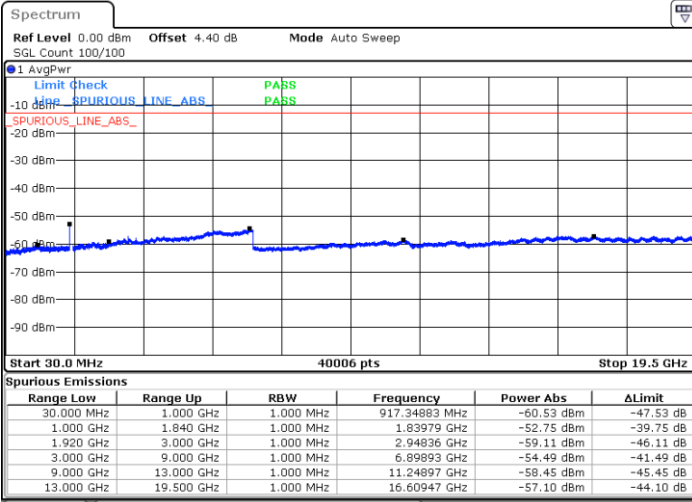
Date: 14.JAN.2021 07:35:13



FR1 n25 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

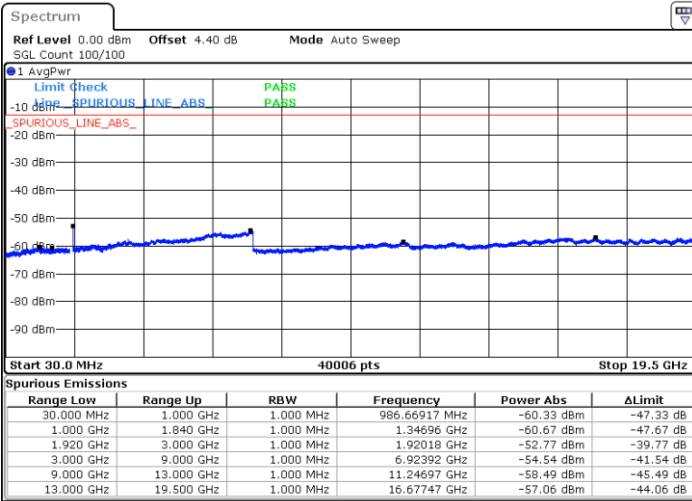
Middle Channel / 1RB



Date: 14.JAN.2021 06:13:34

Date: 14.JAN.2021 06:21:13

Highest Channel / 1RB

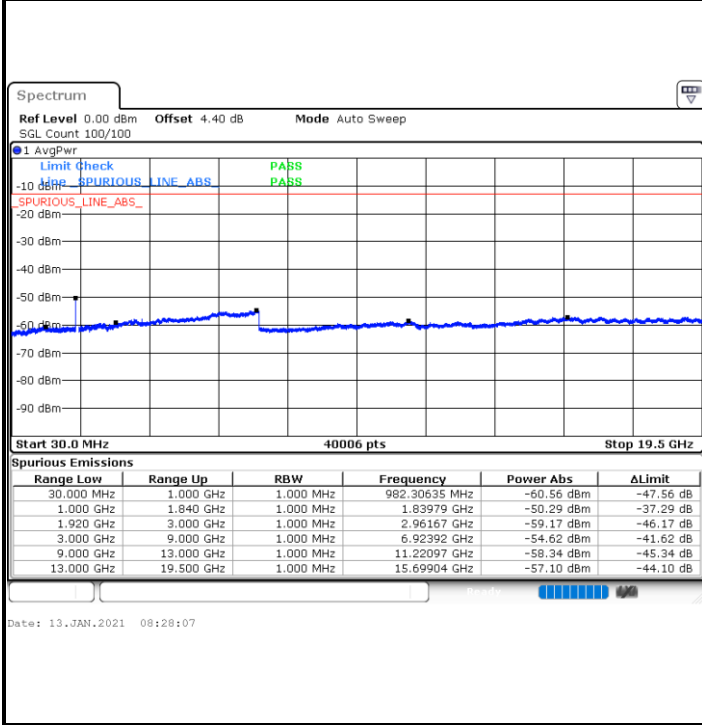


Date: 14.JAN.2021 06:22:47

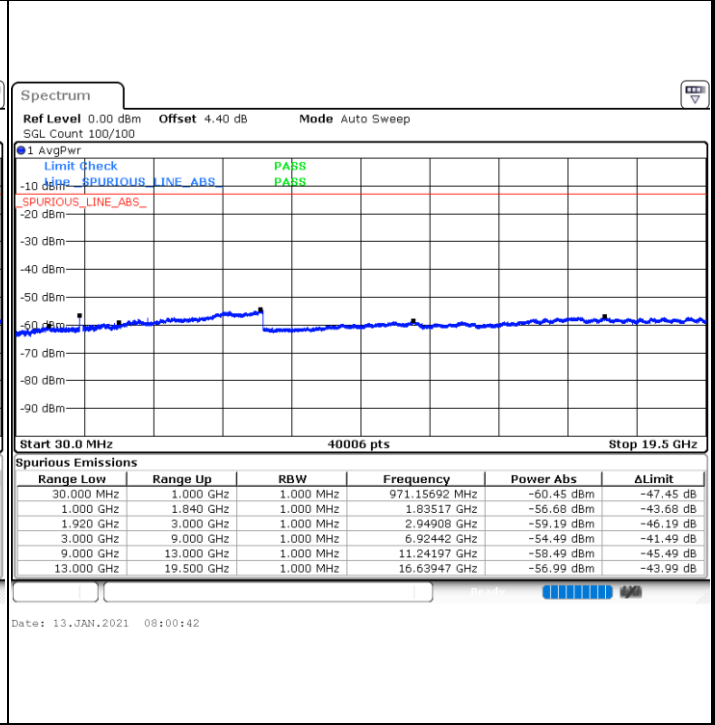


FR1 n25 / 20MHz / DFT-S OFDM / BPSK

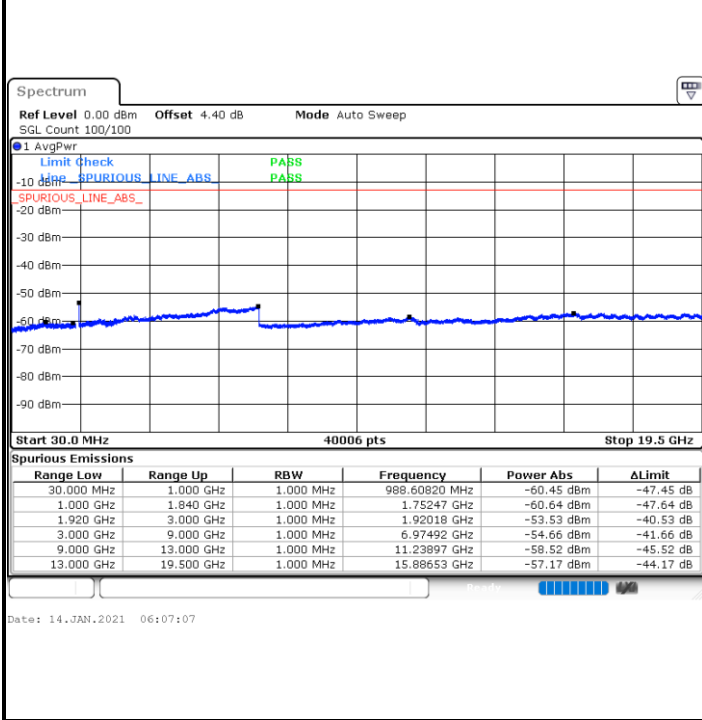
Lowest Channel / 1RB



Middle Channel / 1RB



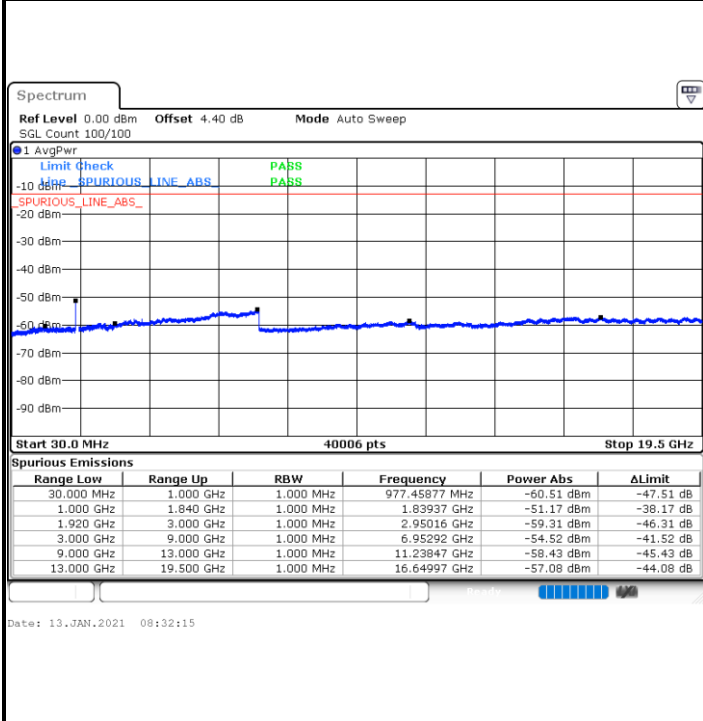
Highest Channel / 1RB



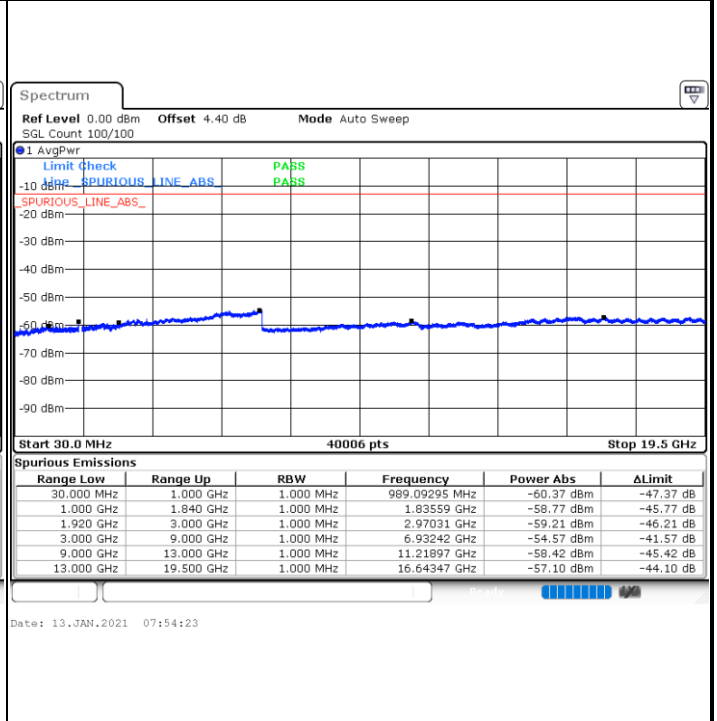


FR1 n25 / 20MHz / DFT-S OFDM / QPSK

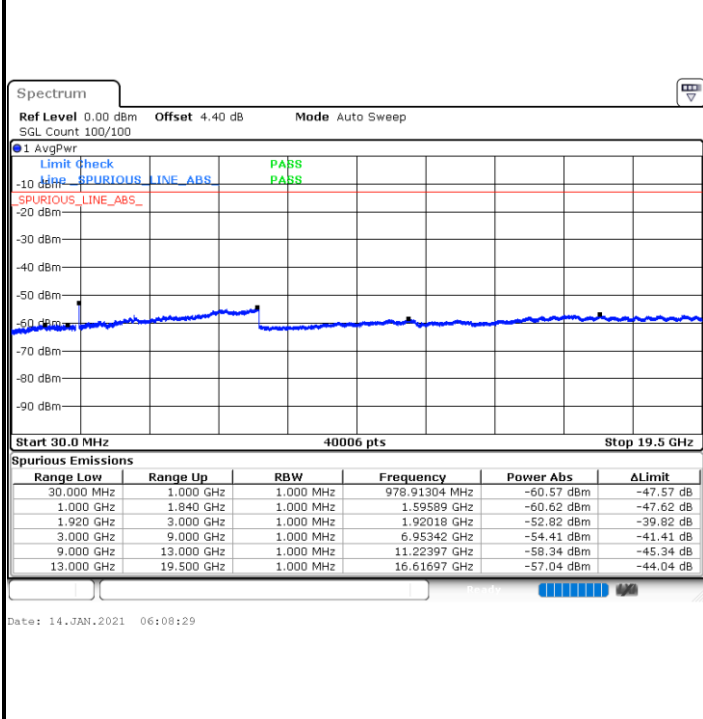
Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB





Frequency Stability

Test Conditions		NR n25 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n66 SA

Peak-to-Average Ratio

Mode	FR1 n66 / 5MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.33	3.86	5.04	5.39	PASS
Middle CH	3.30	3.86	5.01	5.42	
Highest CH	3.42	3.83	4.93	5.48	



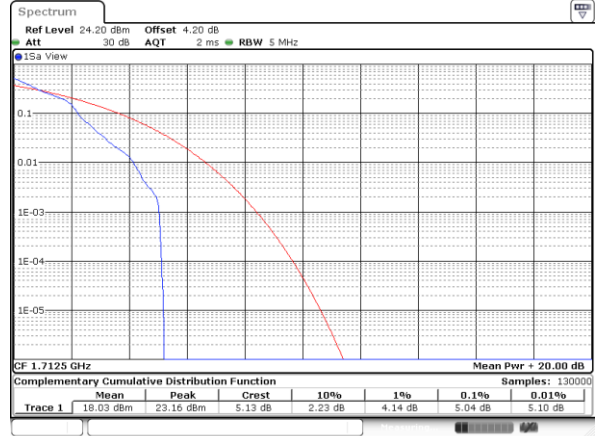
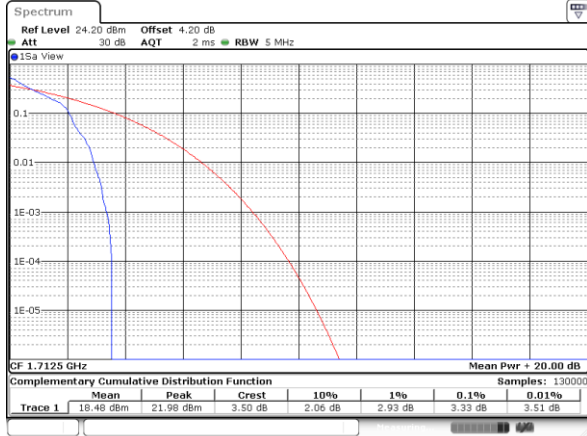
FR1 n66 / 5MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / 1RB

Lowest Channel / 1RB

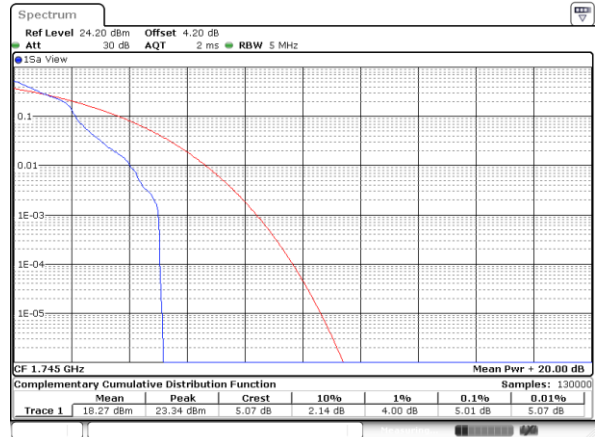
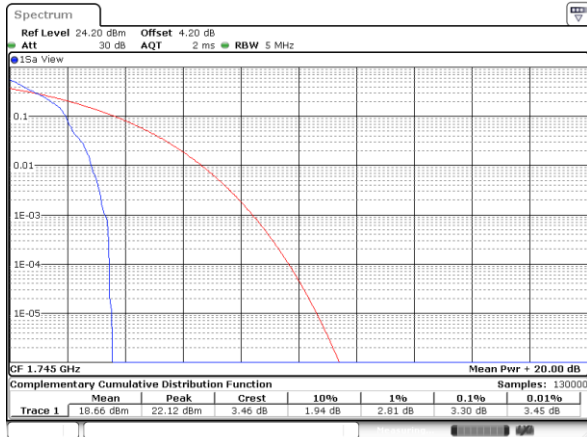


Date: 16_JAN.2021 03:54:56

Date: 16_JAN.2021 03:54:50

Middle Channel / 1 RB

Middle Channel / 1 RB

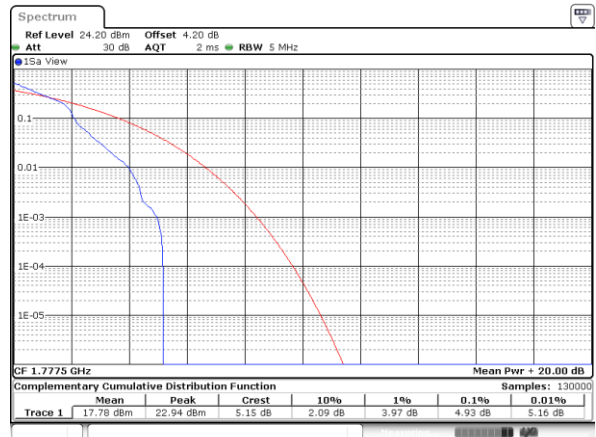
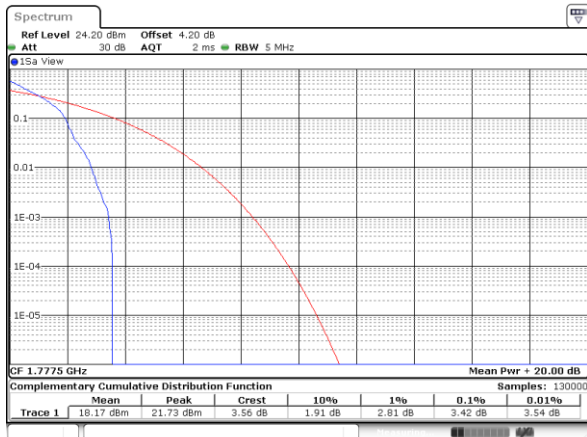


Date: 16_JAN.2021 03:58:04

Date: 16_JAN.2021 03:58:09

Highest Channel / 1 RB

Highest Channel / 1 RB



Date: 16_JAN.2021 04:06:21

Date: 16_JAN.2021 04:06:11



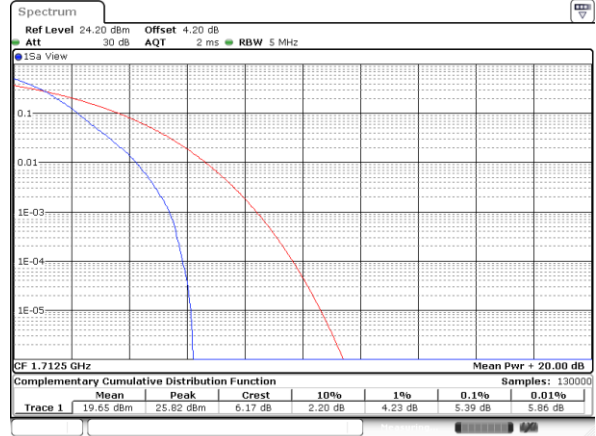
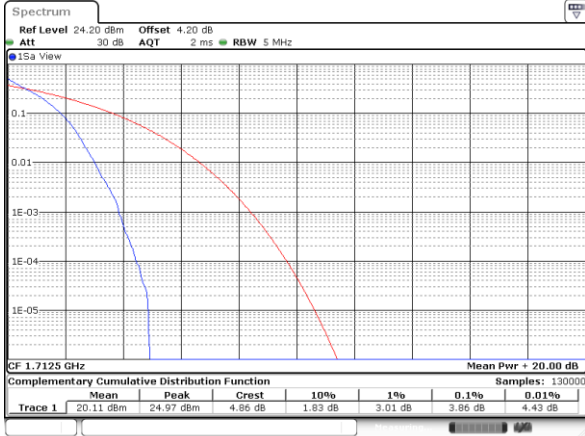
FR1 n66 / 5MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / Full RB

Lowest Channel / Full RB

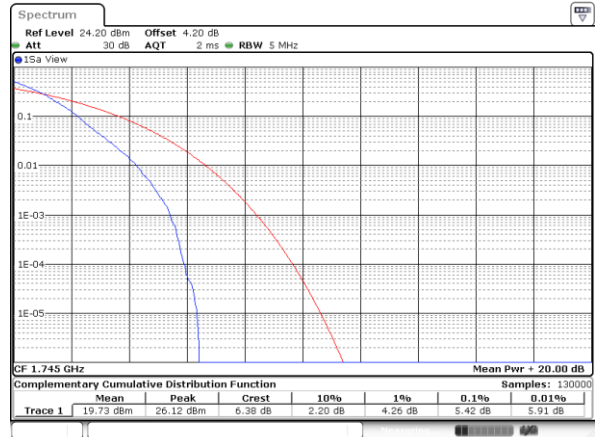
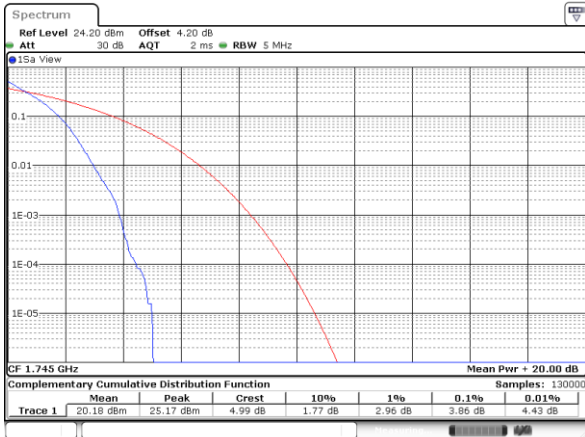


Date: 16_JAN.2021 03:52:33

Date: 16_JAN.2021 03:54:35

Middle Channel / Full RB

Middle Channel / Full RB

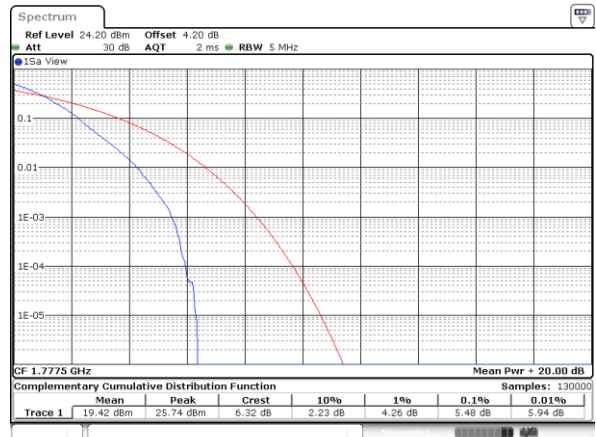
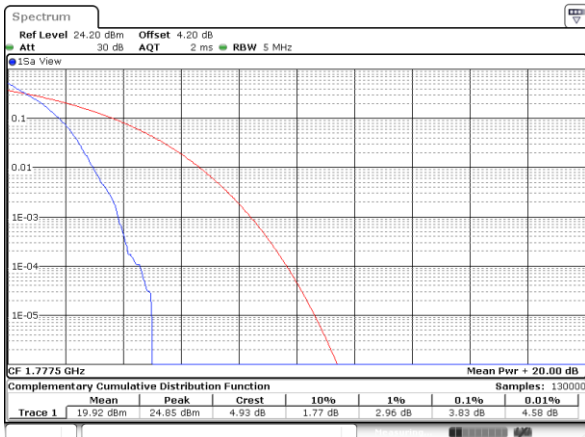


Date: 16_JAN.2021 03:58:29

Date: 16_JAN.2021 03:59:24

Highest Channel / Full RB

Highest Channel / Full RB



Date: 16_JAN.2021 04:05:55

Date: 16_JAN.2021 04:06:00



26dB Bandwidth

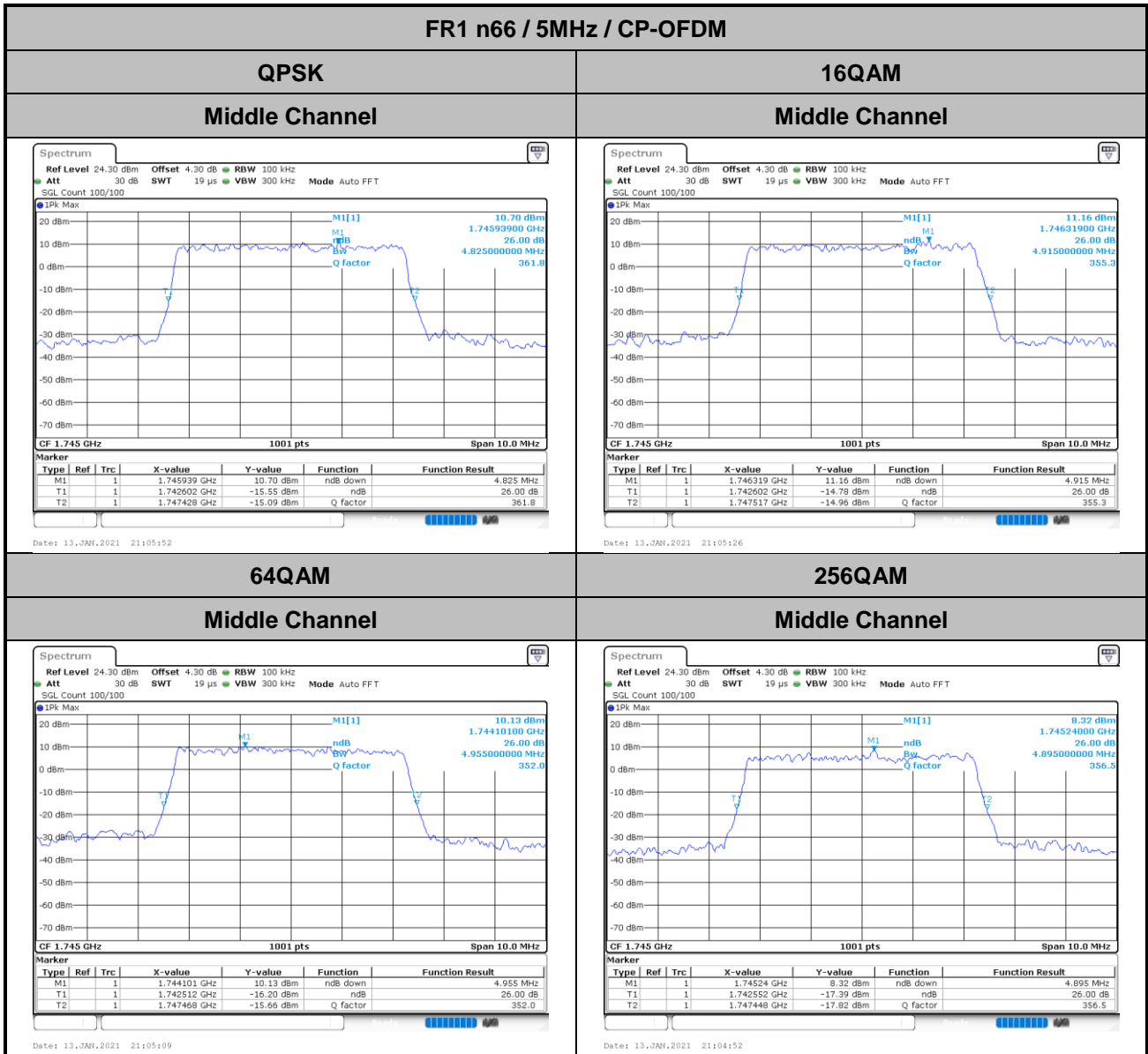
Mode	FR1 n66 : 26dB BW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.83	4.92	4.96	4.89				

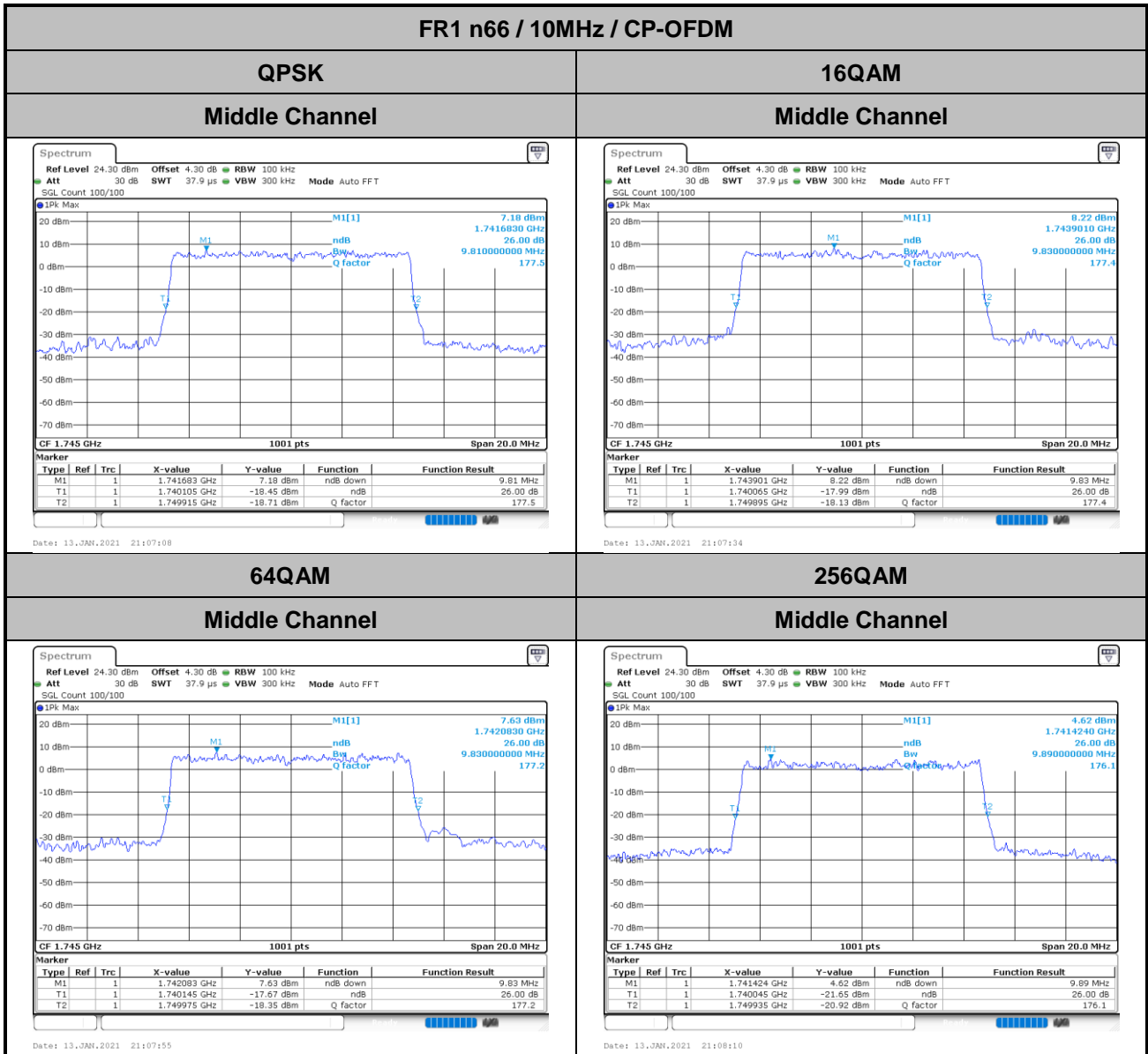
Mode	FR1 n66 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.81	9.83	9.83	9.89				

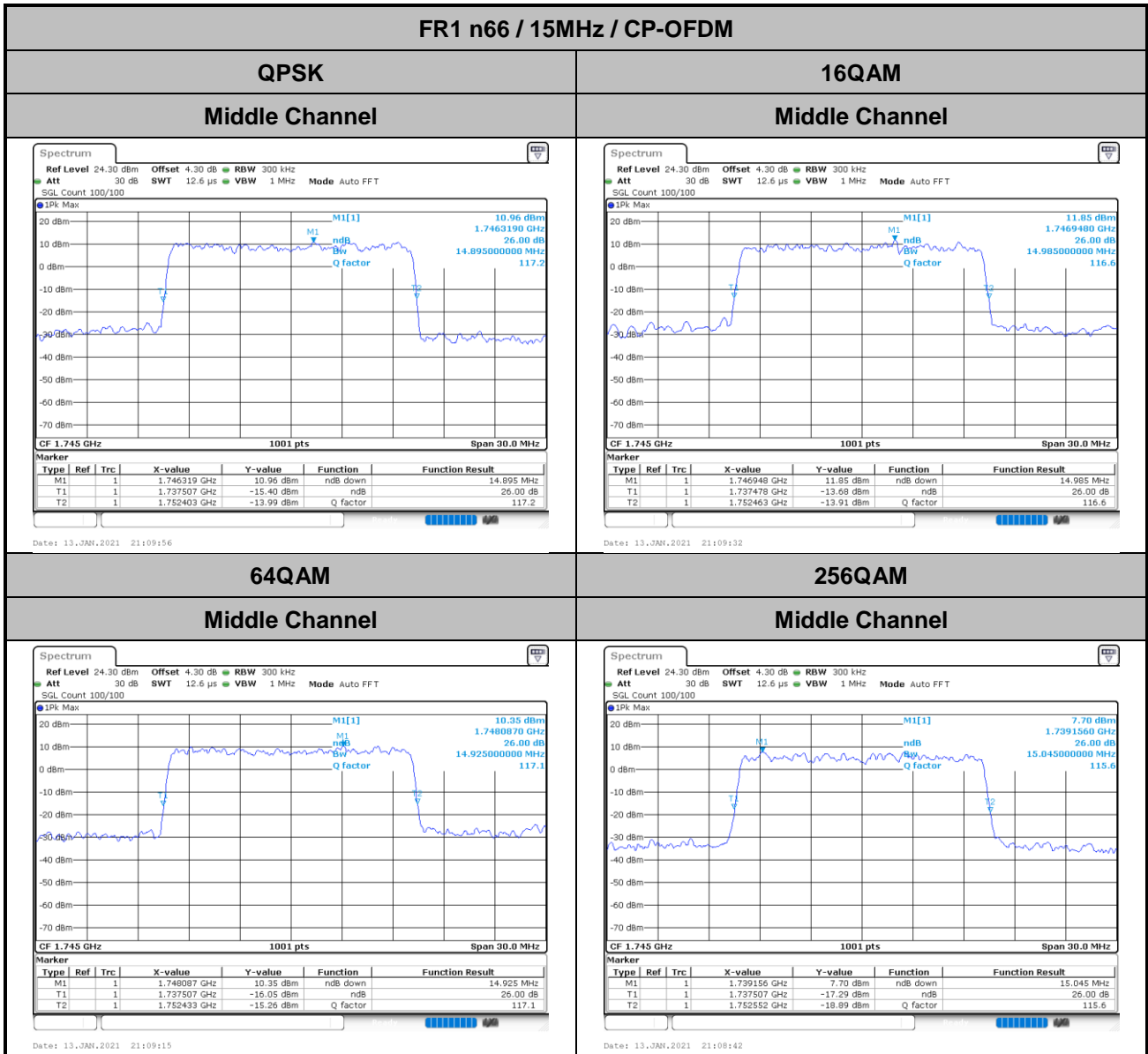
Mode	FR1 n66 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.89	14.98	14.93	15.04				

Mode	FR1 n66 : 26dB BW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	20.06	20.22	20.10	19.94				

Mode	FR1 n66 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	40.99	40.99	40.91	40.99				









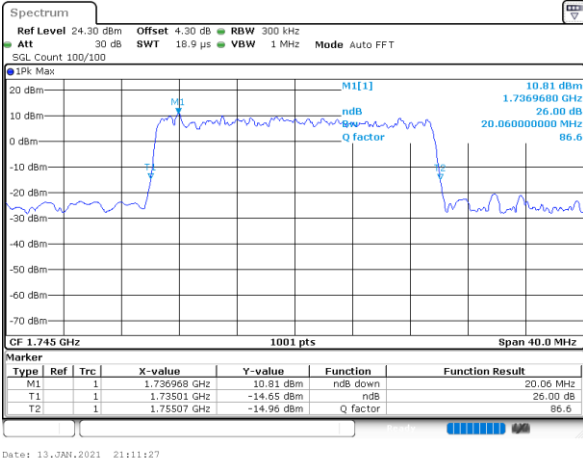
FR1 n66 / 20MHz / CP-OFDM

QPSK

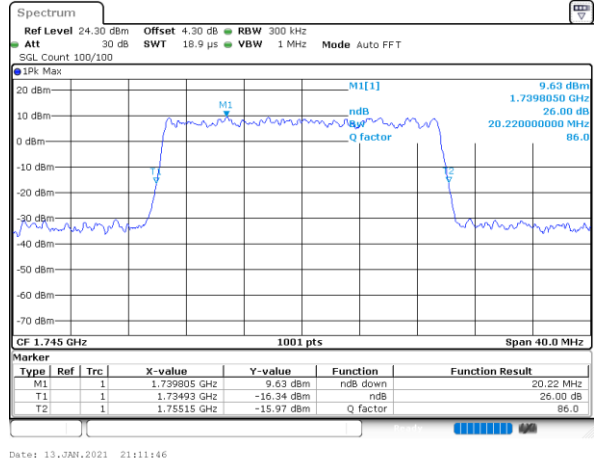
16QAM

Middle Channel

Middle Channel



Date: 13_JAN_2021 21:11:27



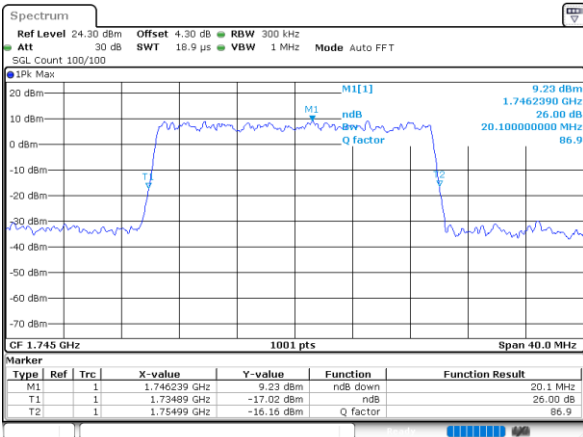
Date: 13_JAN_2021 21:11:46

64QAM

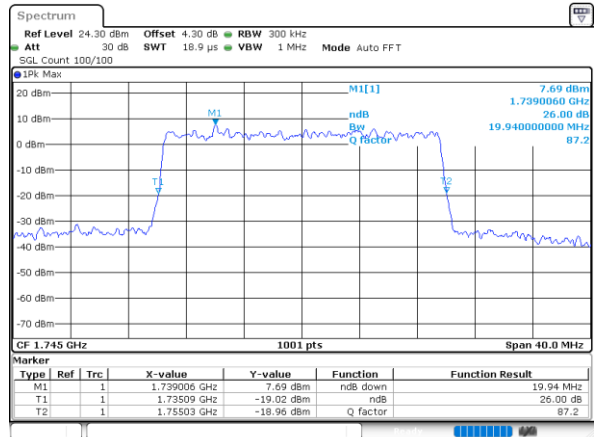
256QAM

Middle Channel

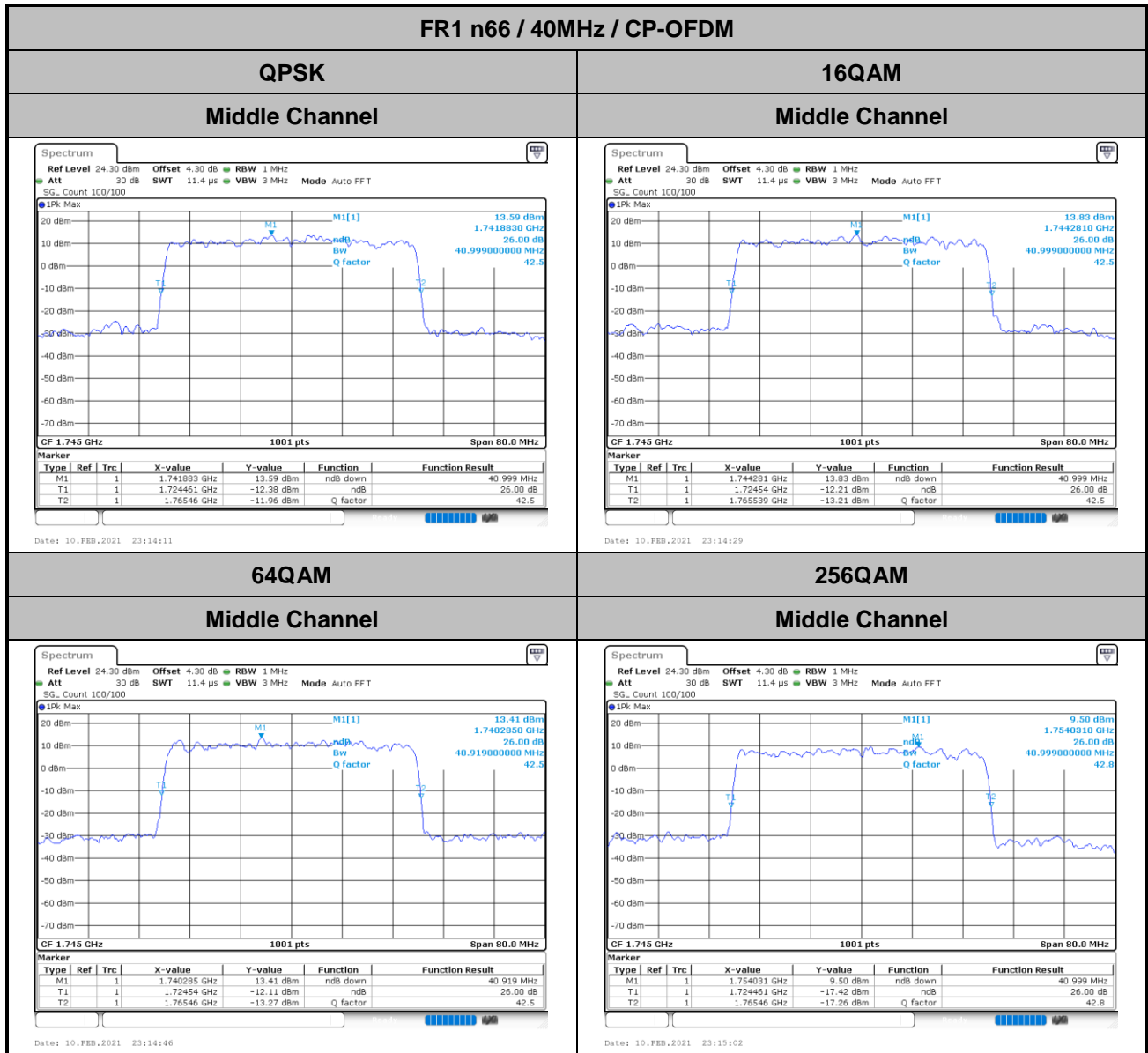
Middle Channel



Date: 13_JAN_2021 21:12:01



Date: 13_JAN_2021 21:12:17





Occupied Bandwidth

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.48	4.49	4.49	4.50				

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.27	9.29	9.27	9.27				

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.12	14.09	14.15	14.15				

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	18.98	19.02	18.86	18.98				

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	38.68	38.6	38.76	38.68				



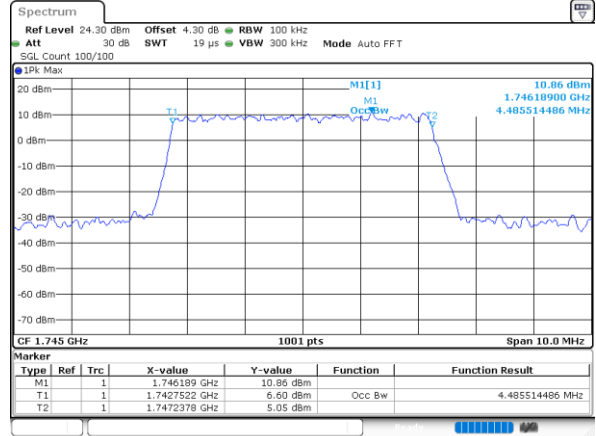
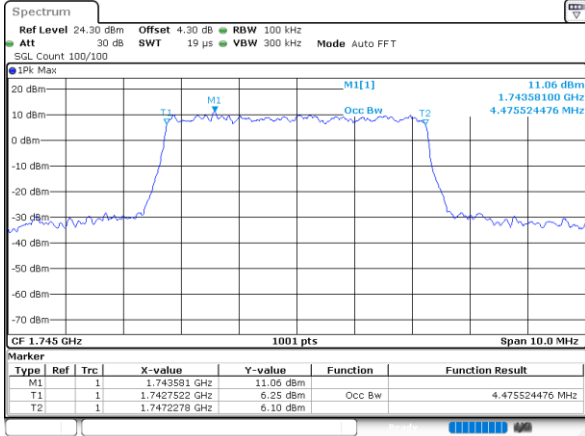
FR1 n66 / 5MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 13.JAN.2021 21:05:39

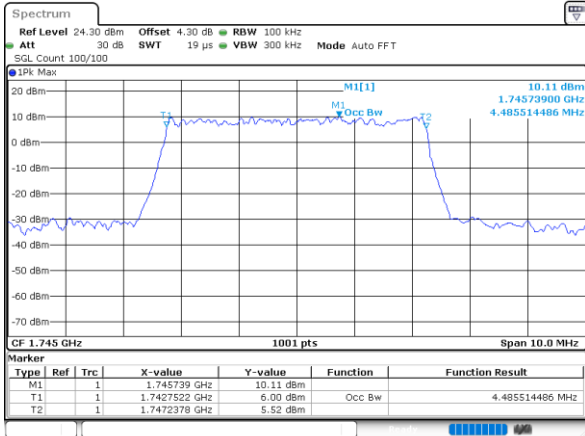
Date: 13.JAN.2021 21:05:22

64QAM

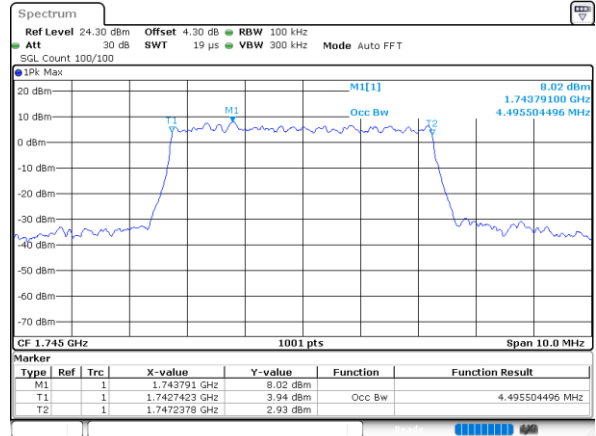
256QAM

Middle Channel

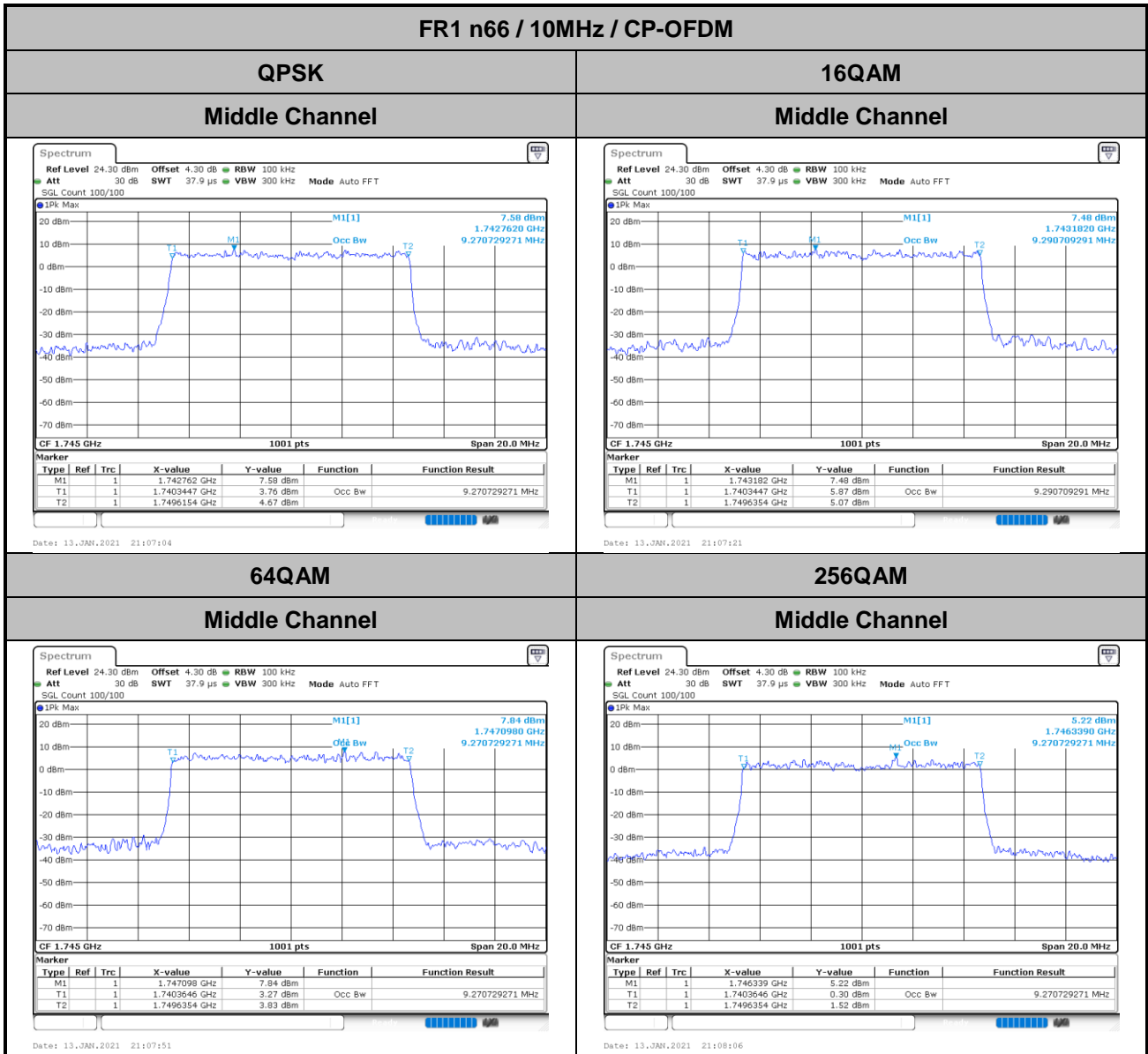
Middle Channel

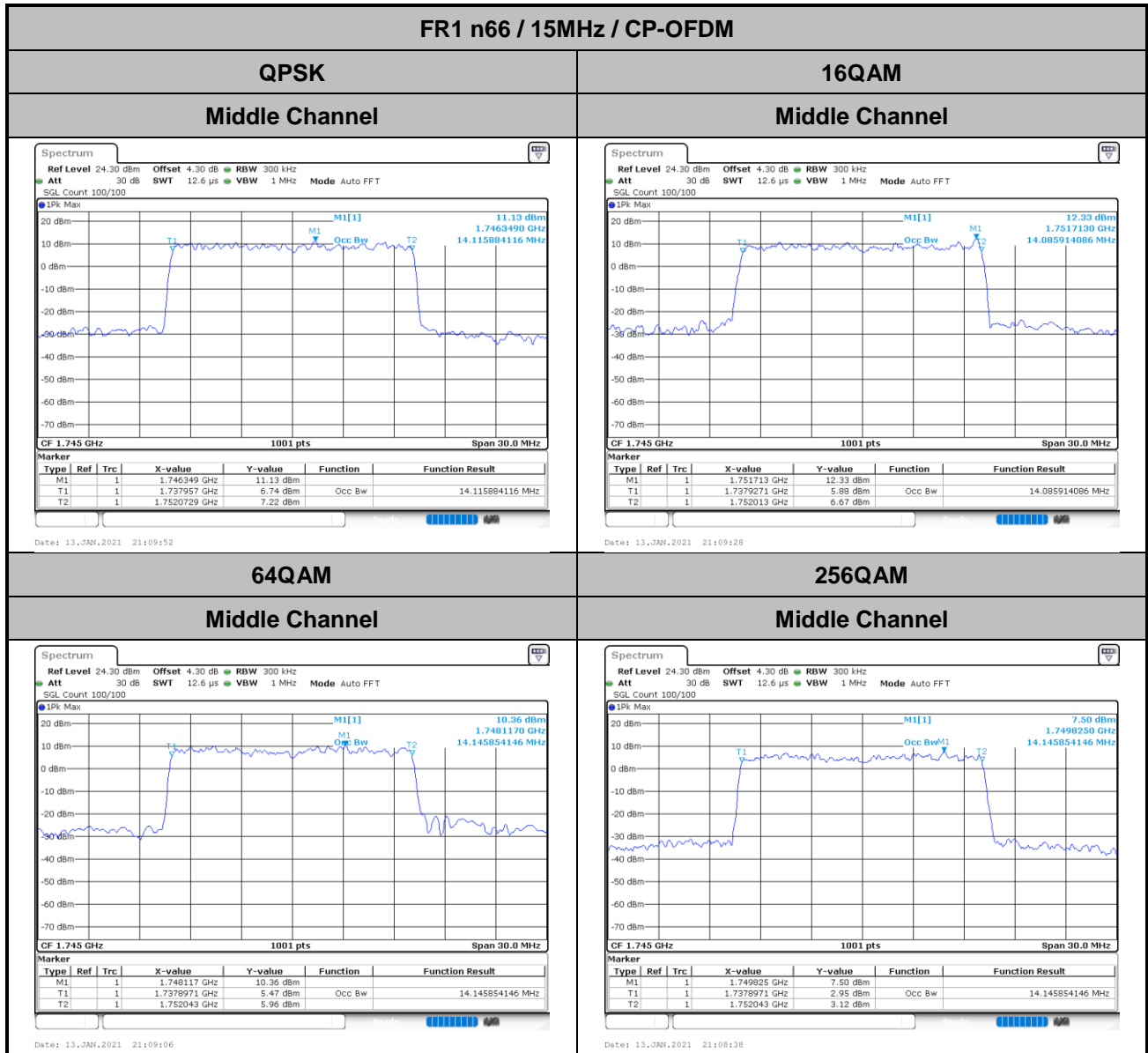


Date: 13.JAN.2021 21:05:05



Date: 13.JAN.2021 21:04:47







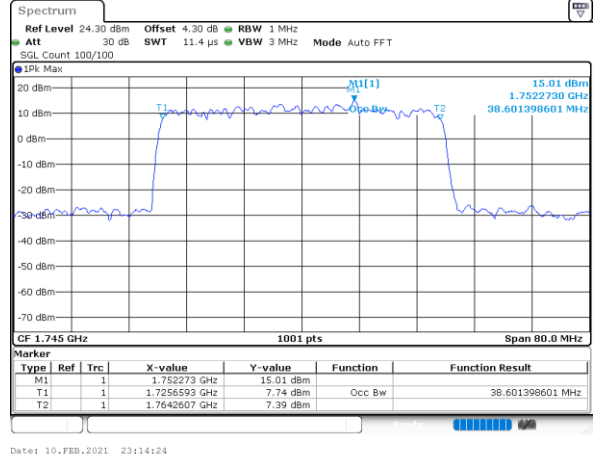
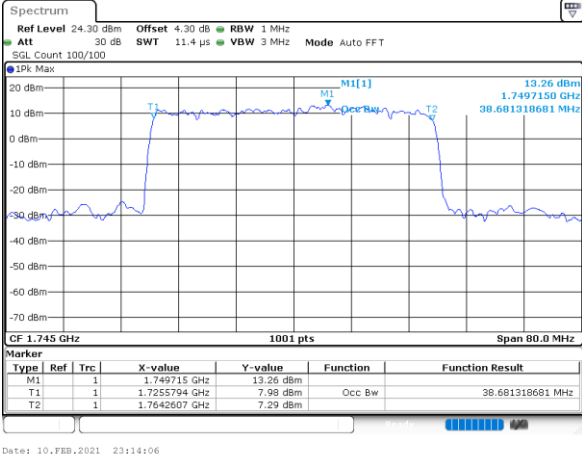
FR1 n66 / 20MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

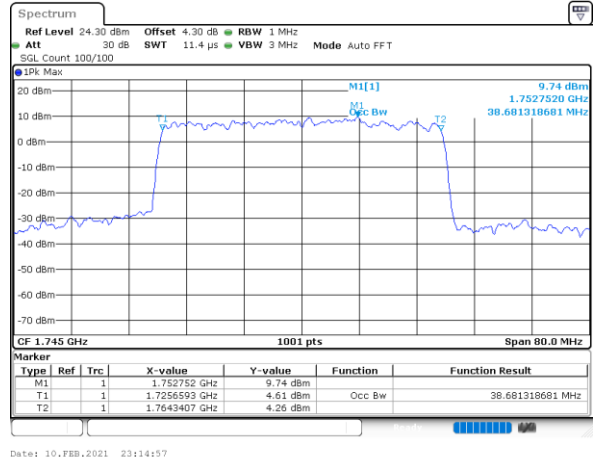
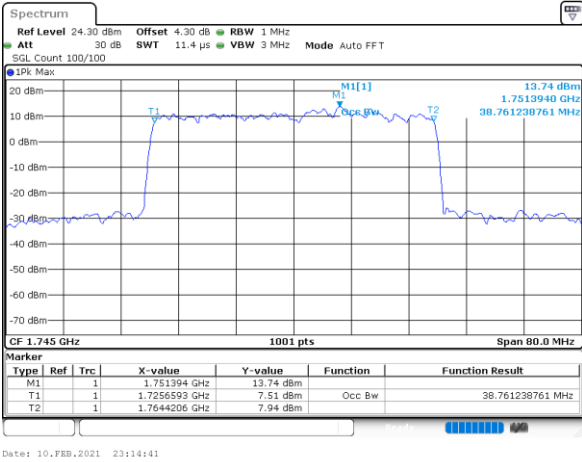


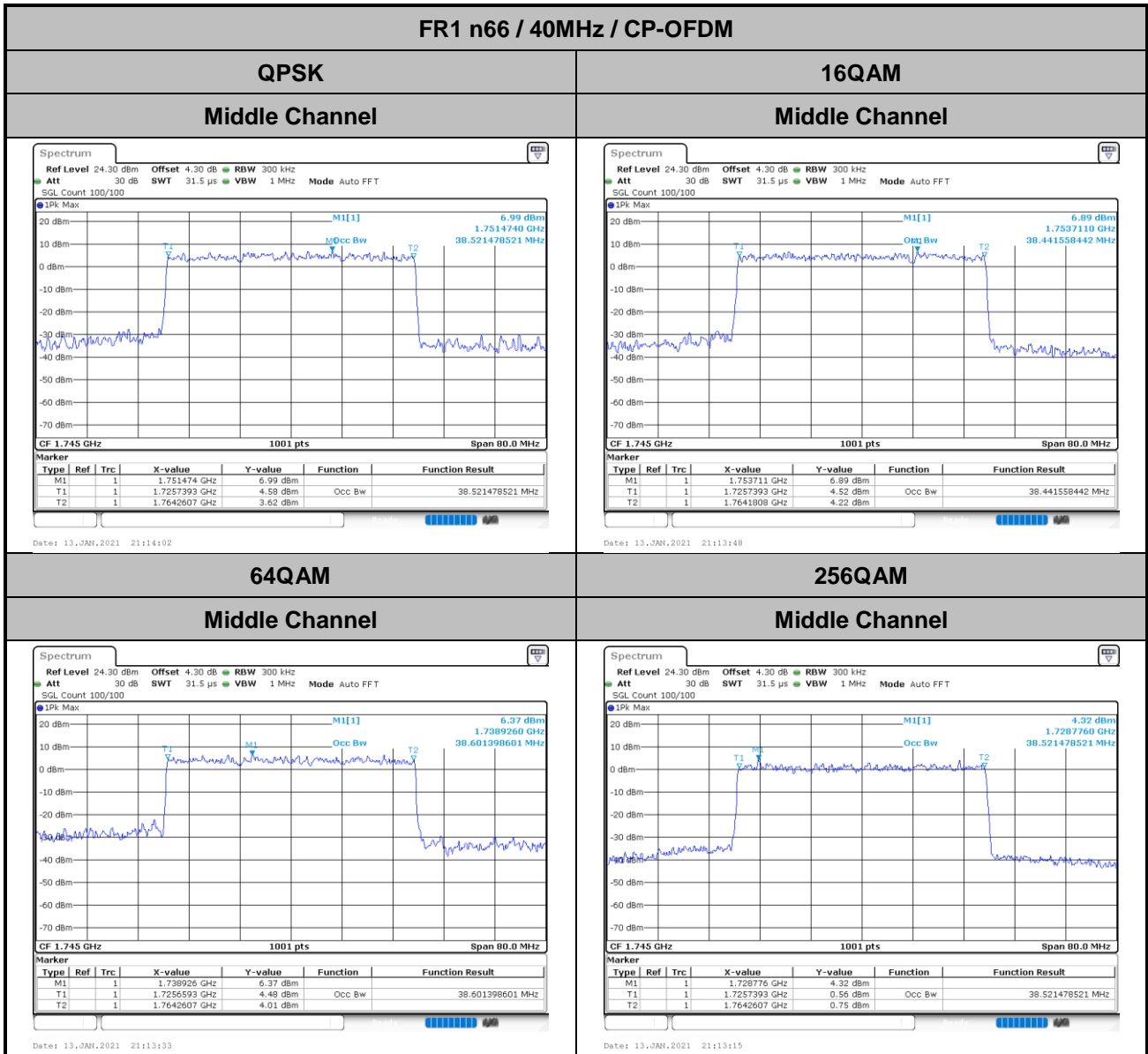
64QAM

256QAM

Middle Channel

Middle Channel

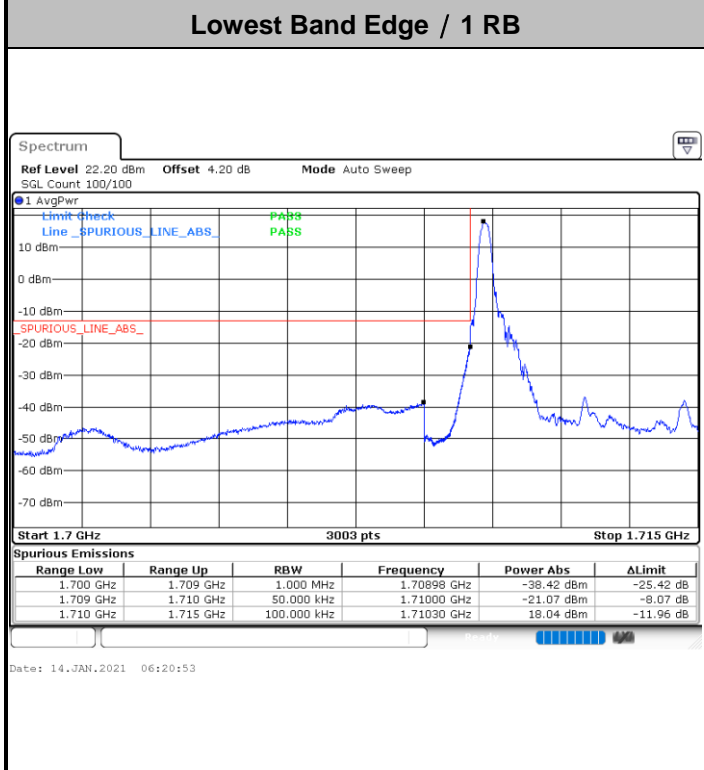




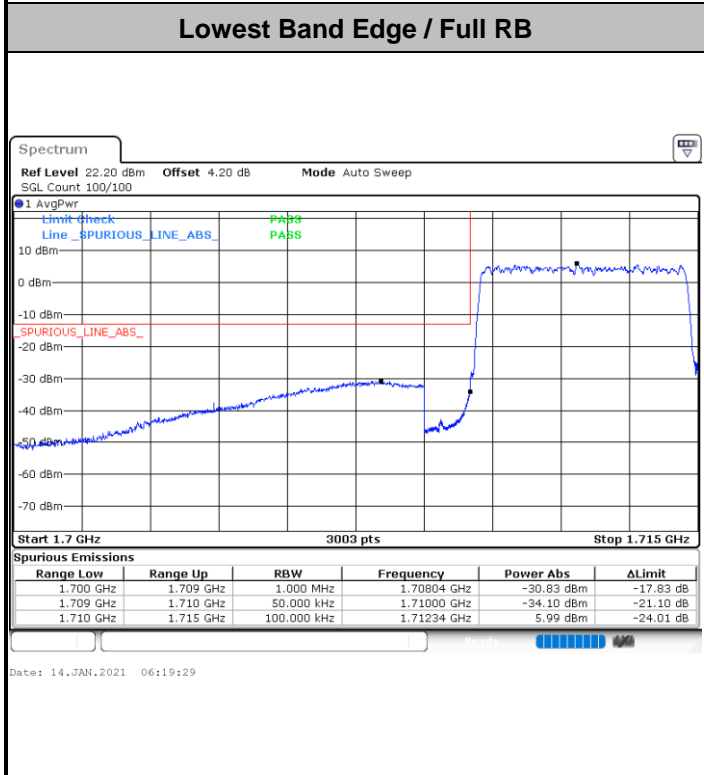


Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM BPSK



Channel Power < -13dBm Pass



Channel Power < -13dBm Pass



FR1 n66 / 5MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

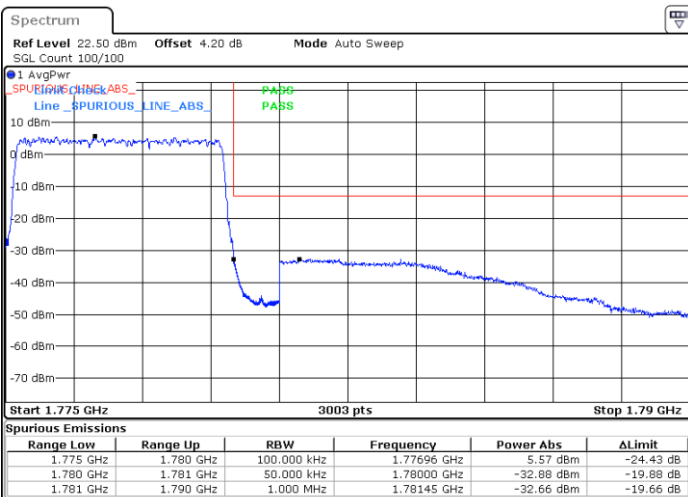
Channel Power < -13dBm Pass



Date: 14.JAN.2021 06:15:22

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



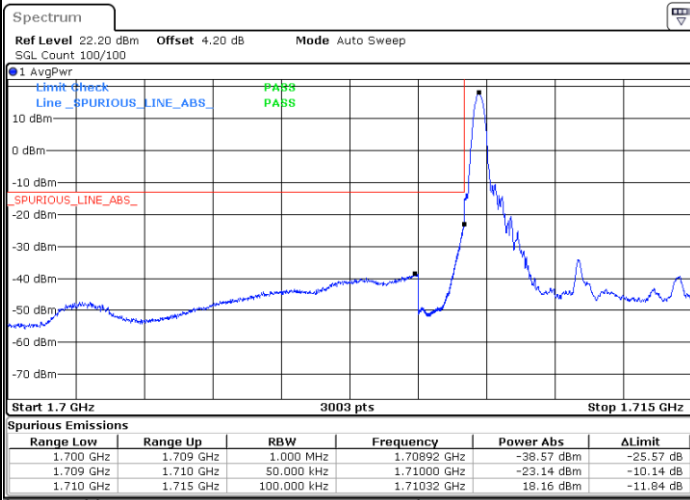
Date: 14.JAN.2021 06:12:53



FR1 n66 / 5MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

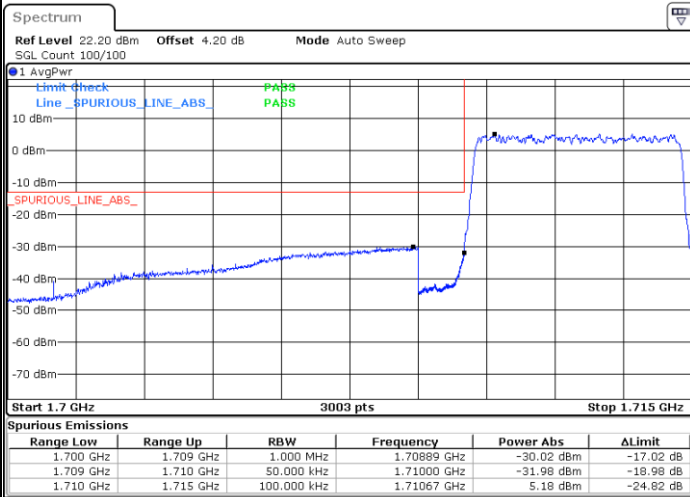
Channel Power < -13dBm Pass



Date: 14.JAN.2021 06:21:29

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



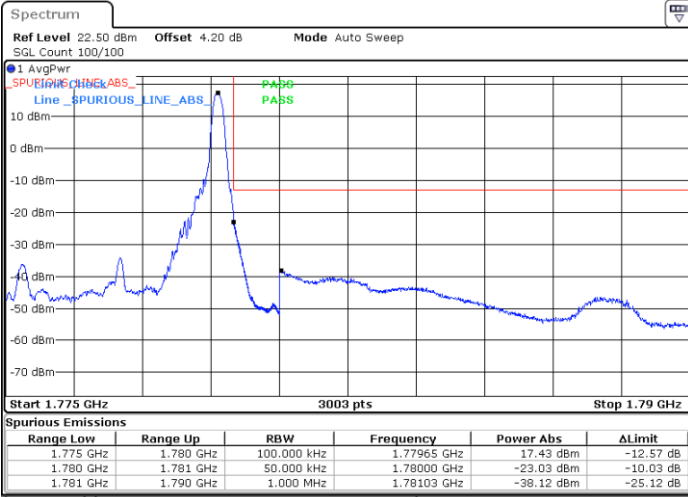
Date: 14.JAN.2021 06:18:02



FR1 n66 / 5MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

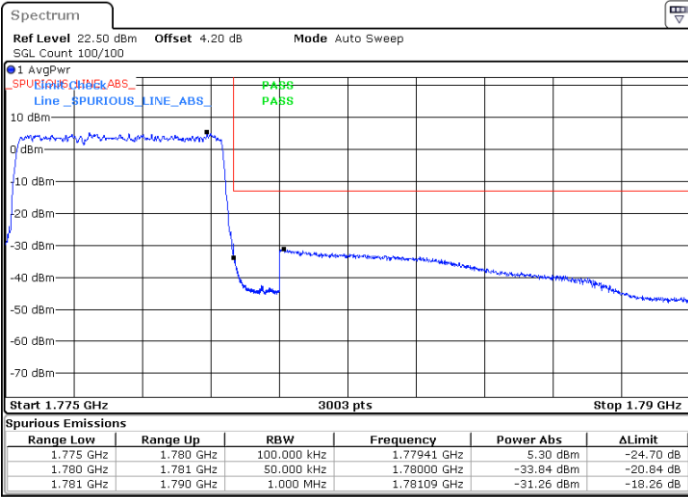
Channel Power < -13dBm Pass



Date: 14.JAN.2021 06:14:43

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



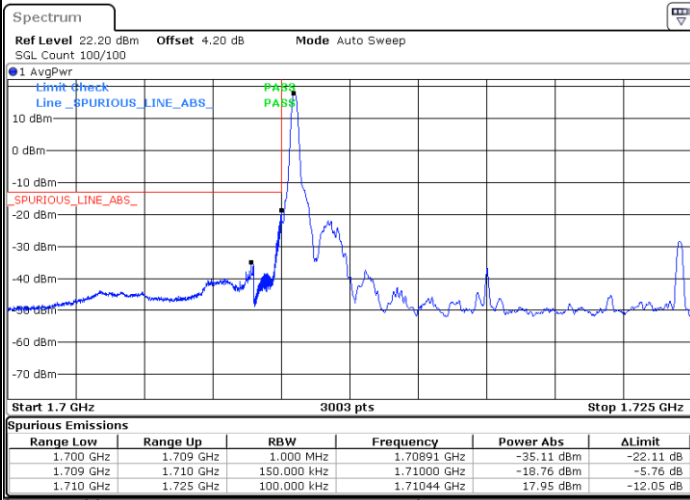
Date: 14.JAN.2021 06:14:07



FR1 n66 / 15MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

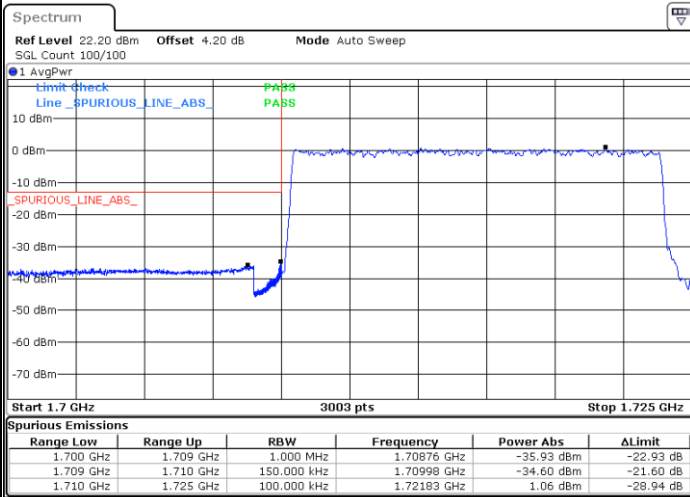
Channel Power < -13dBm Pass



Date: 14.JAN.2021 05:11:14

Lowest Band Edge / Full RB

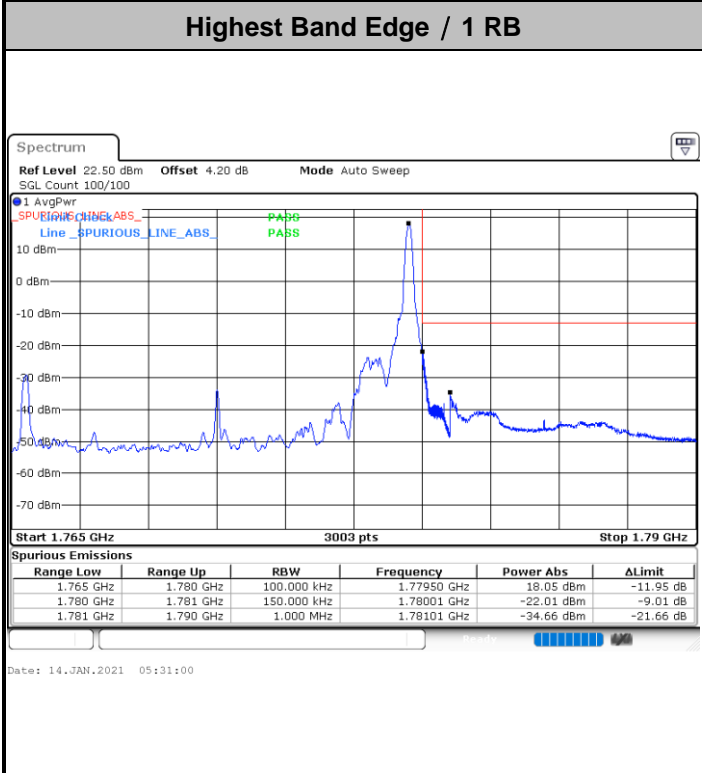
Channel Power < -13dBm Pass



Date: 14.JAN.2021 05:03:05

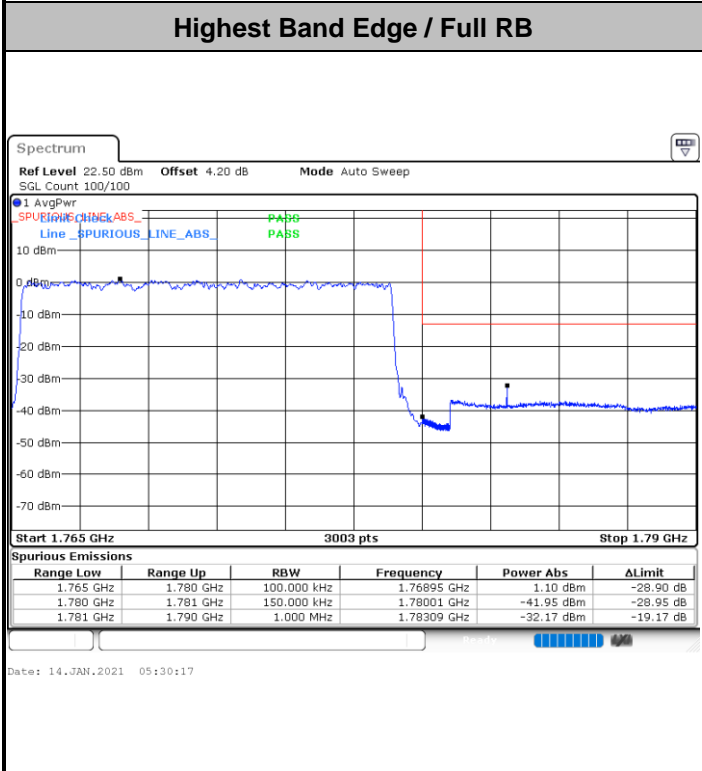


FR1 n66 / 15MHz / DFT-S OFDM BPSK



Channel Power < -13dBm Pass

/



Channel Power < -13dBm Pass

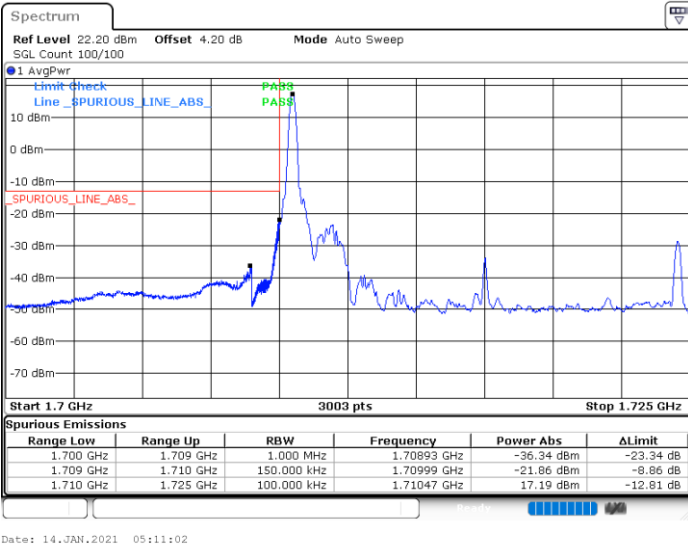
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FR1 n66 / 15MHz / DFT-S OFDM QPSK

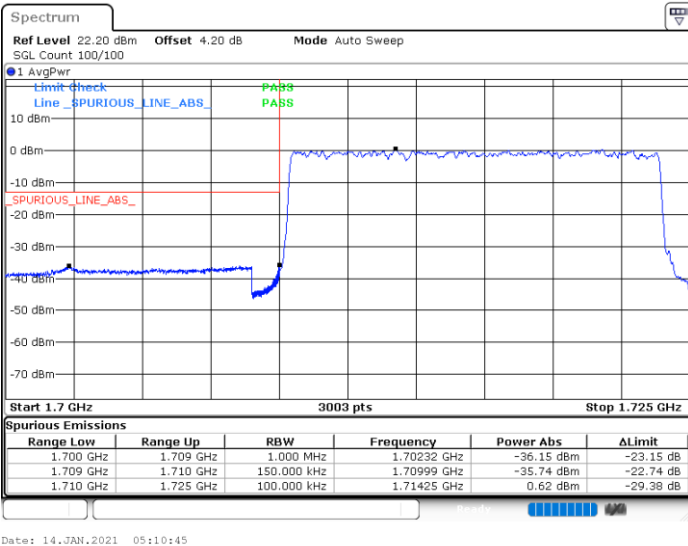
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

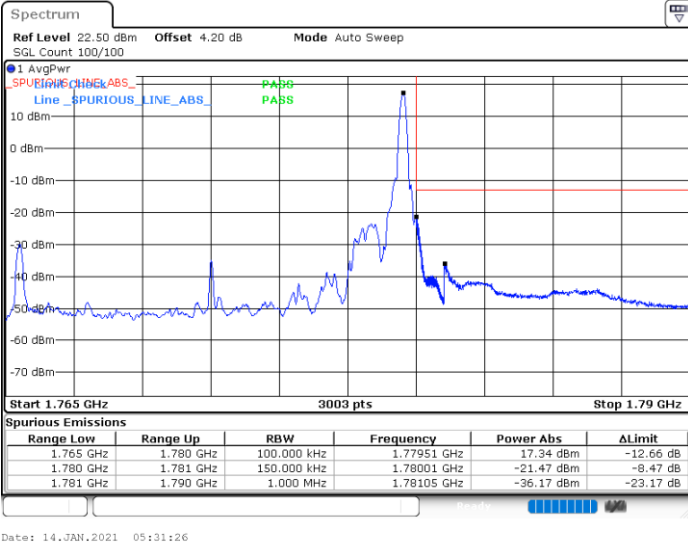




FR1 n66 / 15MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

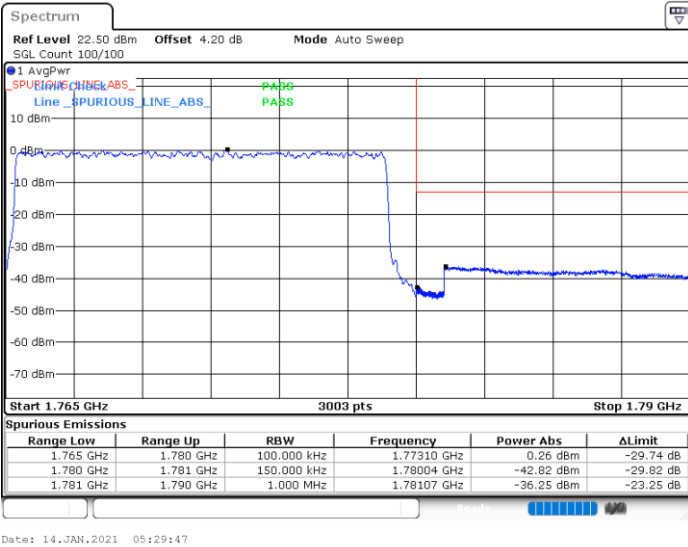
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



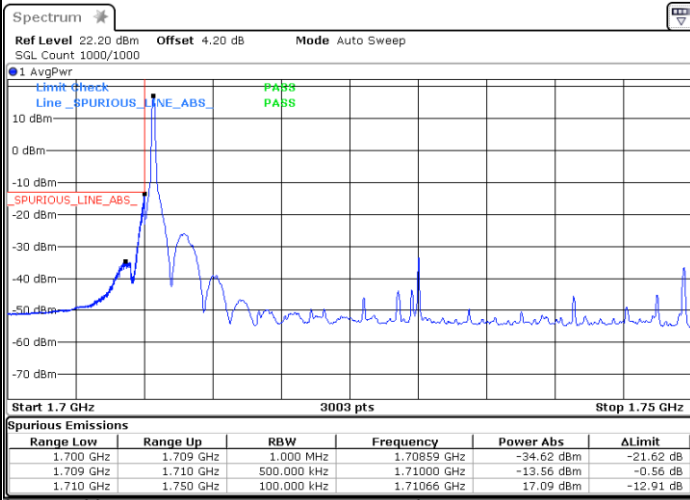
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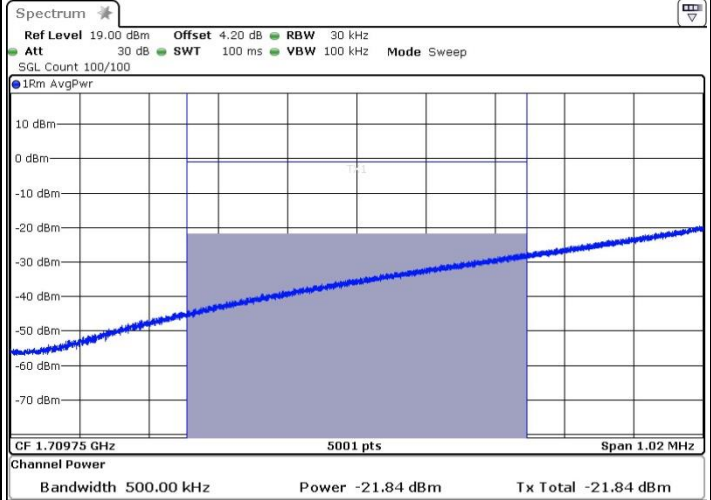
FR1 n66 / 40MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



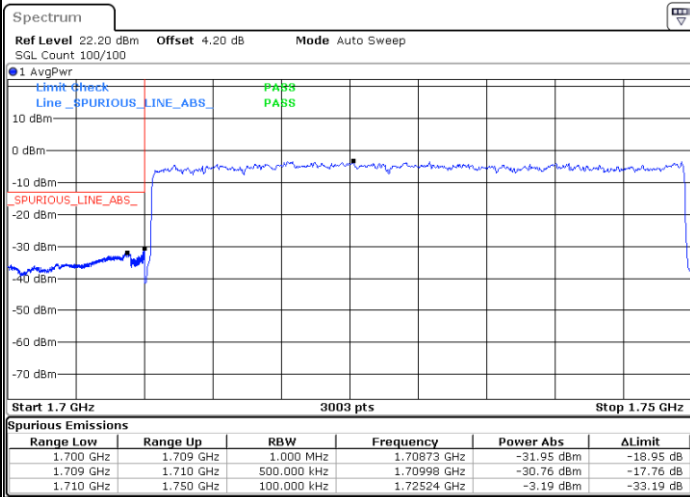
Date: 14.JAN.2021 04:17:54



Date: 14.JAN.2021 04:20:56

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 14.JAN.2021 04:21:23

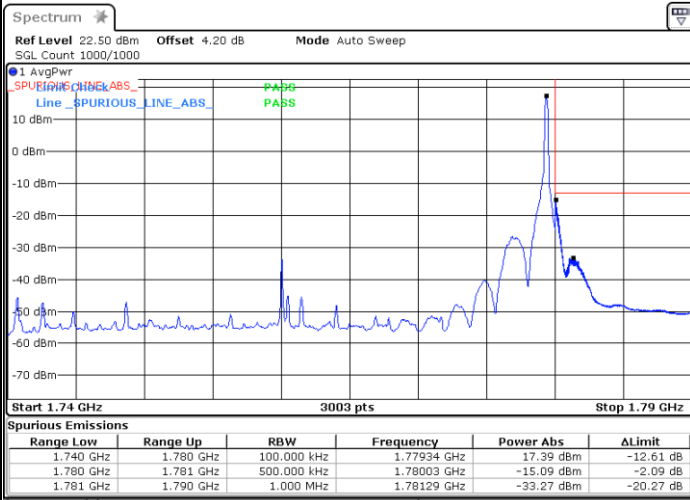
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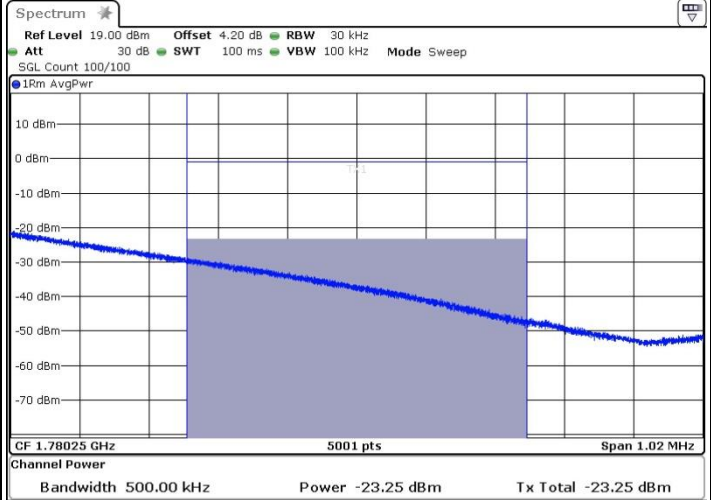
FR1 n66 / 40MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



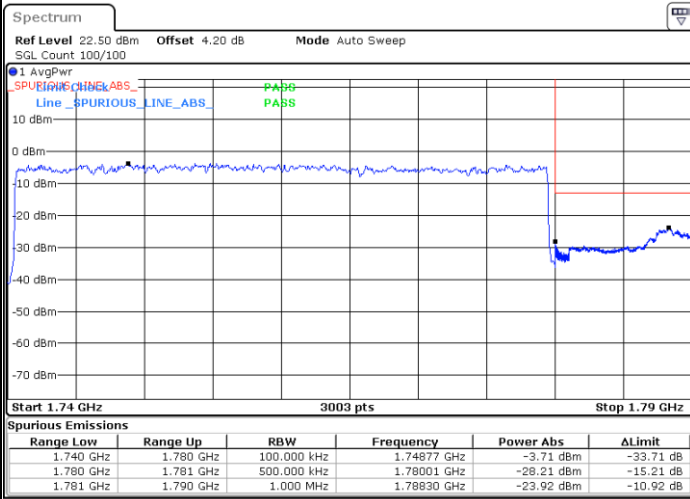
Date: 14.JAN.2021 04:03:56



Date: 14.JAN.2021 04:09:01

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 14.JAN.2021 04:02:05

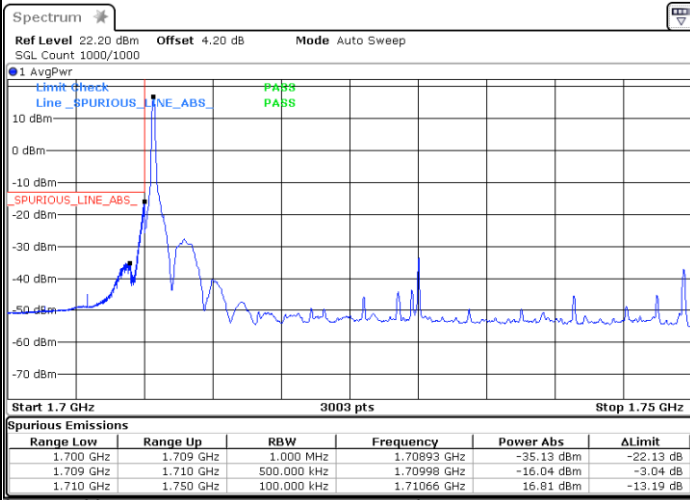
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FR1 n66 / 40MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

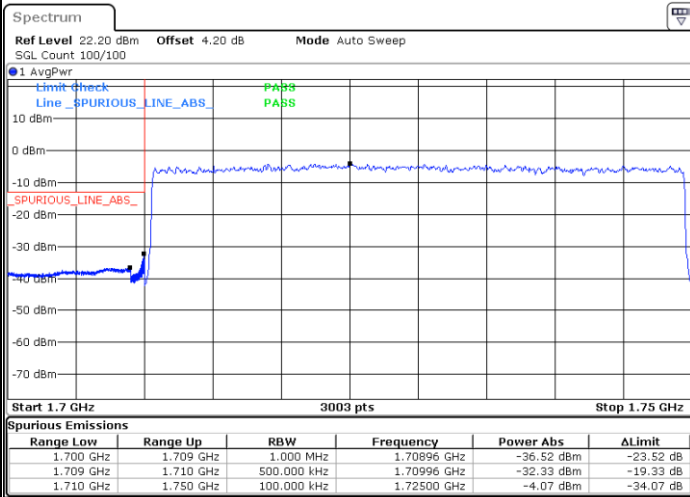
Channel Power < -13dBm Pass



Date: 14.JAN.2021 04:15:09

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



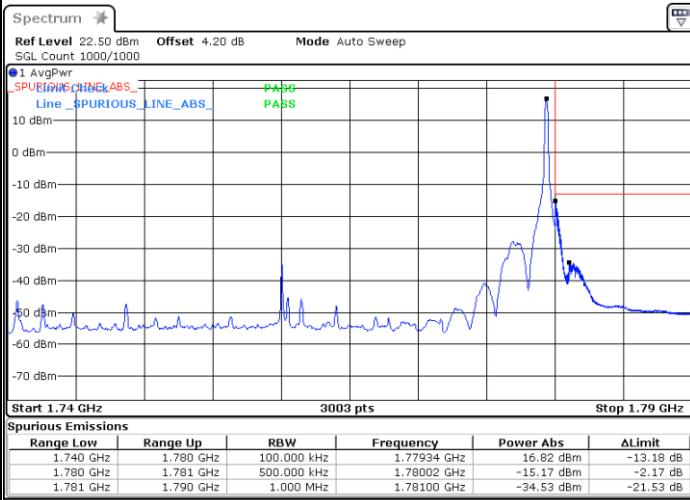
Date: 14.JAN.2021 04:21:35



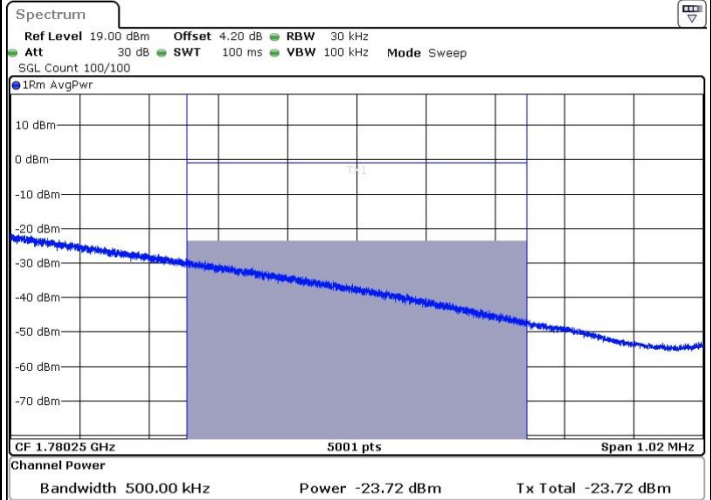
FR1 n66 / 40MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



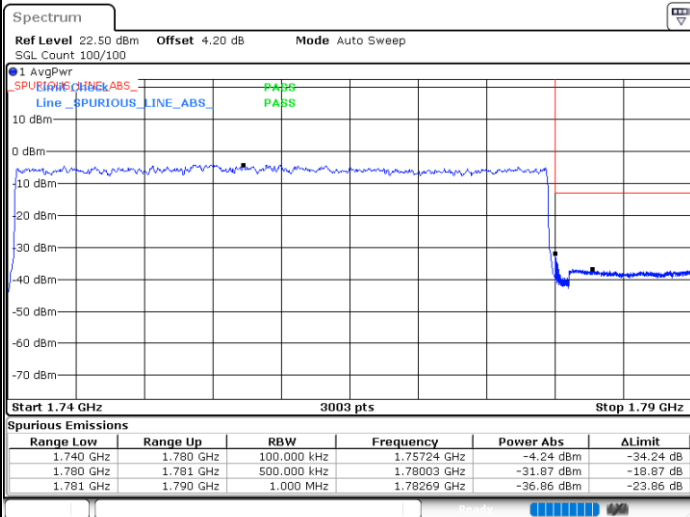
Date: 14.JAN.2021 04:11:45



Date: 14.JAN.2021 04:09:35

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



Date: 14.JAN.2021 04:01:51

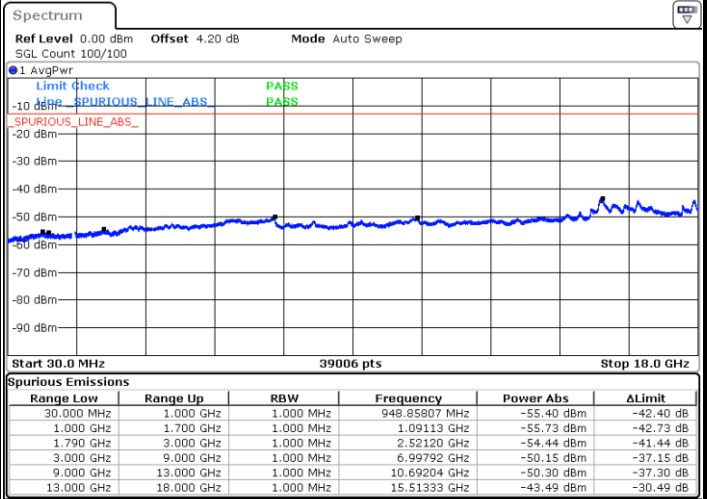
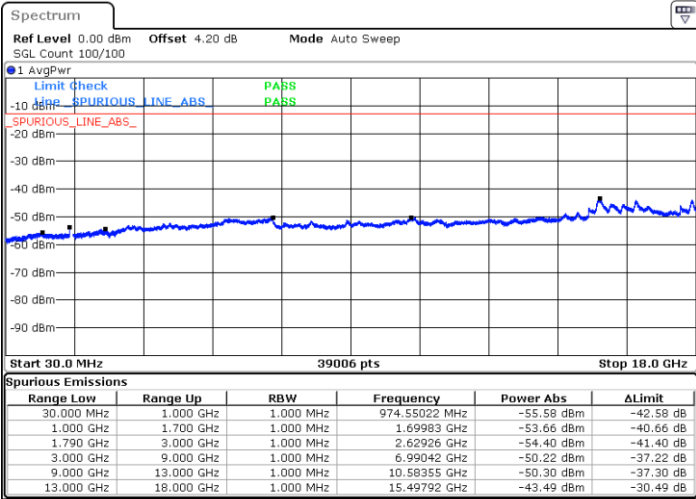


Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

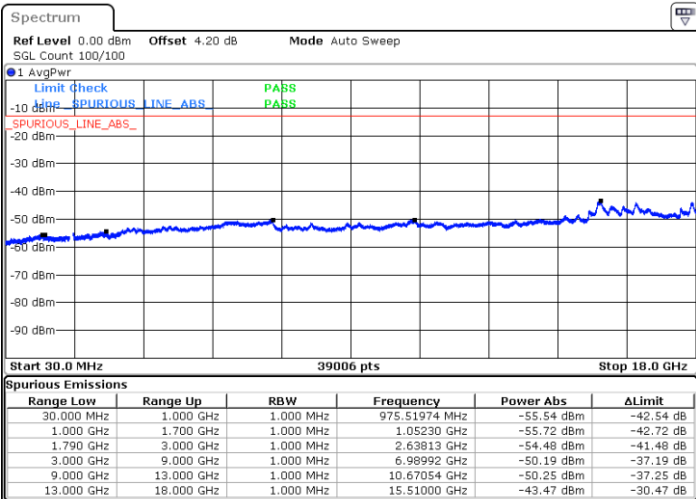
Middle Channel / 1RB



Date: 14.JAN.2021 06:03:16

Date: 14.JAN.2021 06:04:59

Highest Channel / 1RB



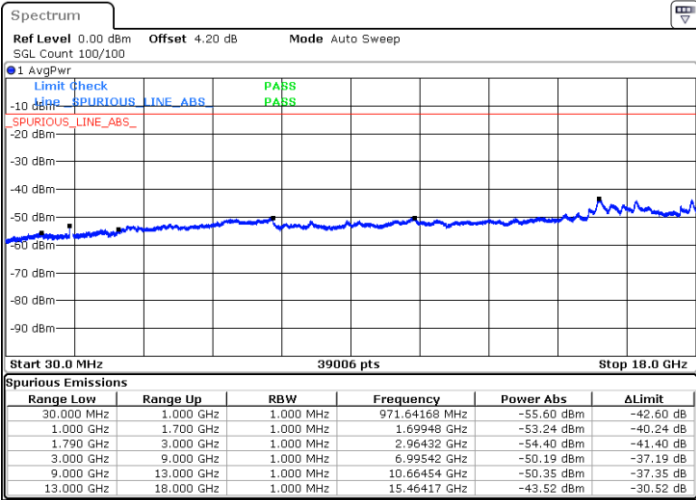
Date: 14.JAN.2021 06:11:27



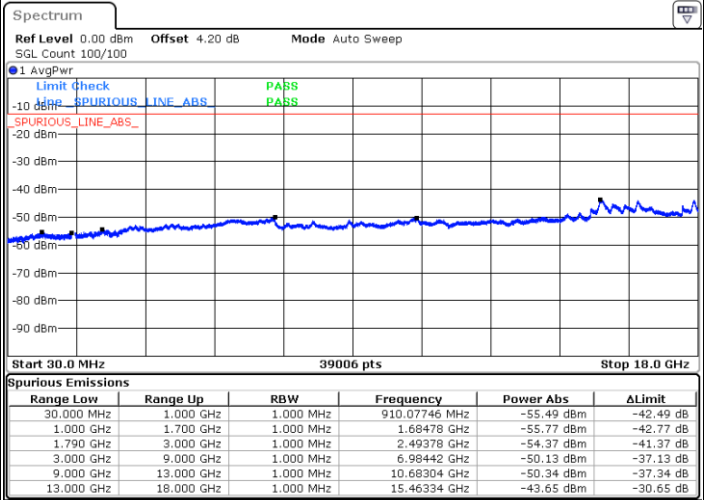
FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

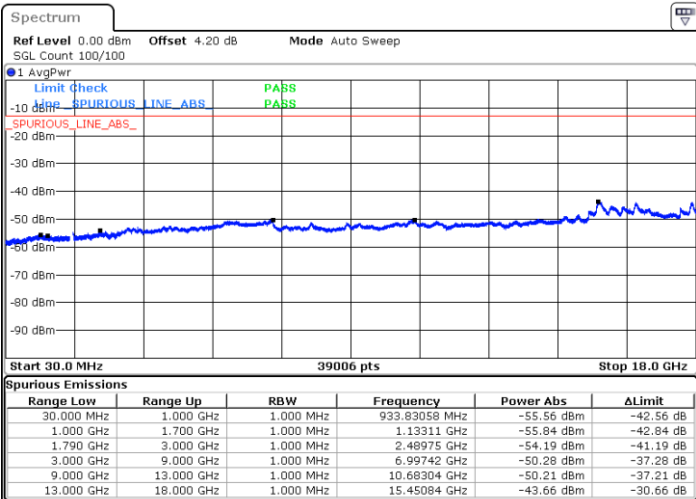


Date: 14.JAN.2021 06:01:52



Date: 14.JAN.2021 06:07:34

Highest Channel / 1RB



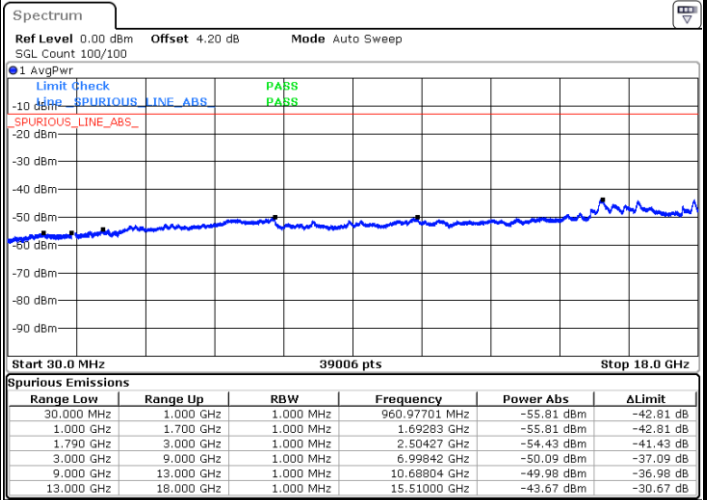
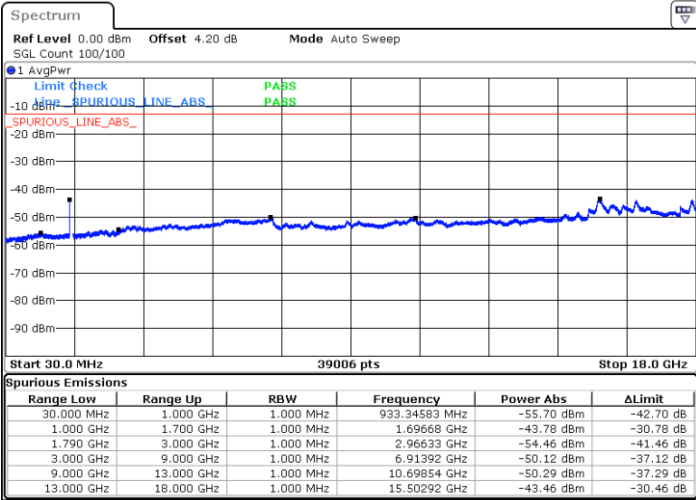
Date: 14.JAN.2021 06:09:56



FR1 n66 / 15MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

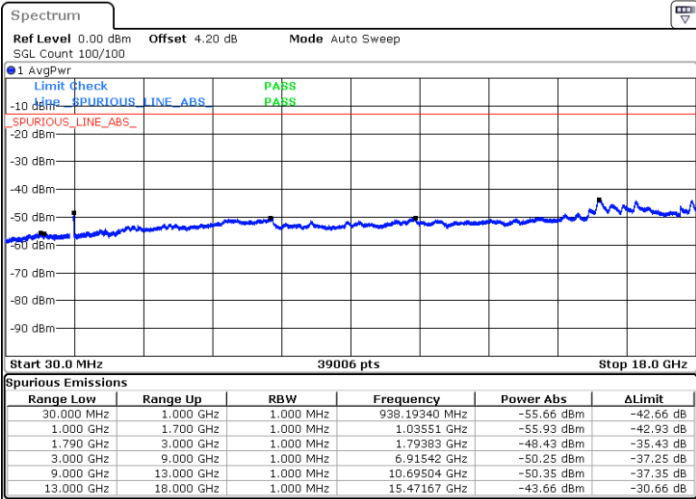
Middle Channel / 1RB



Date: 14.JAN.2021 05:14:02

Date: 14.JAN.2021 05:25:09

Highest Channel / 1RB



Date: 14.JAN.2021 05:34:12