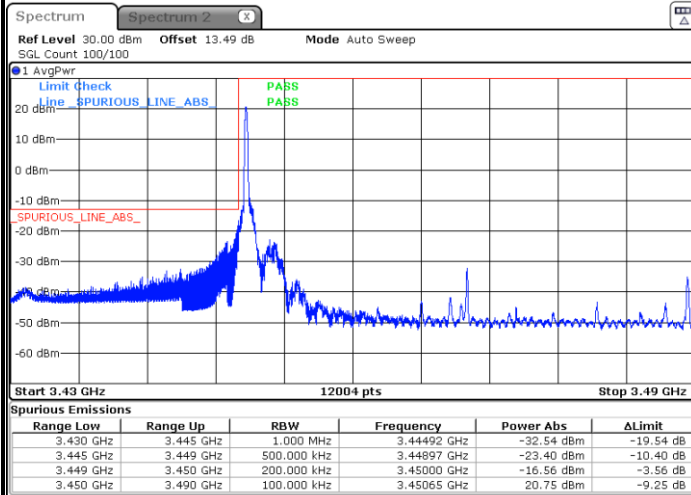


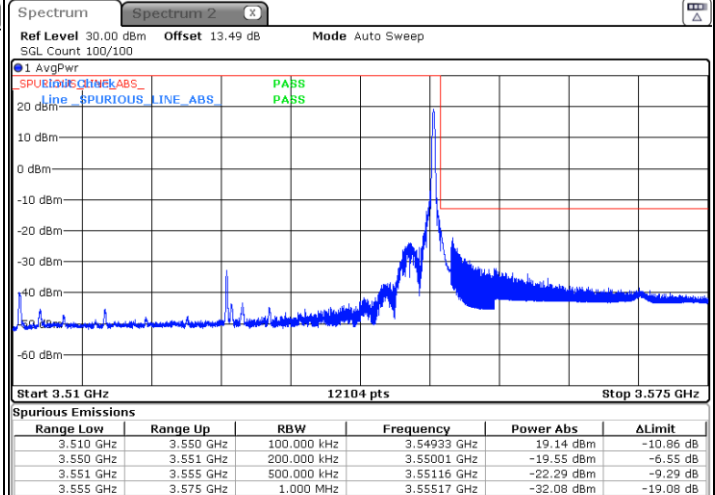


FR1 n77 / 40MHz / DFT-S OFDM / 64QAM

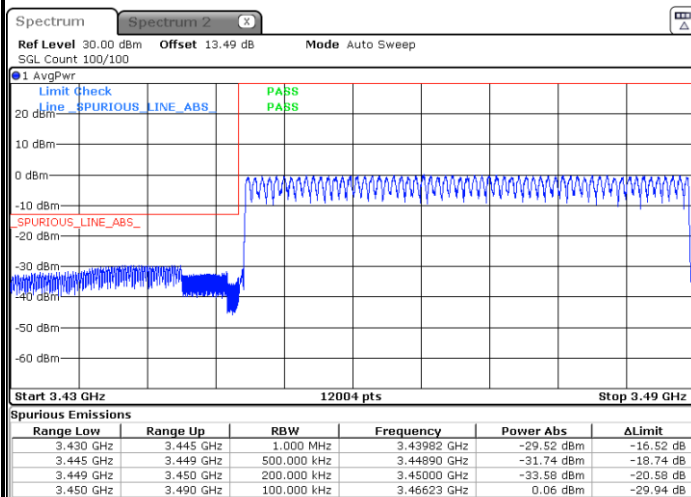
Lowest Band Edge / 1RB0



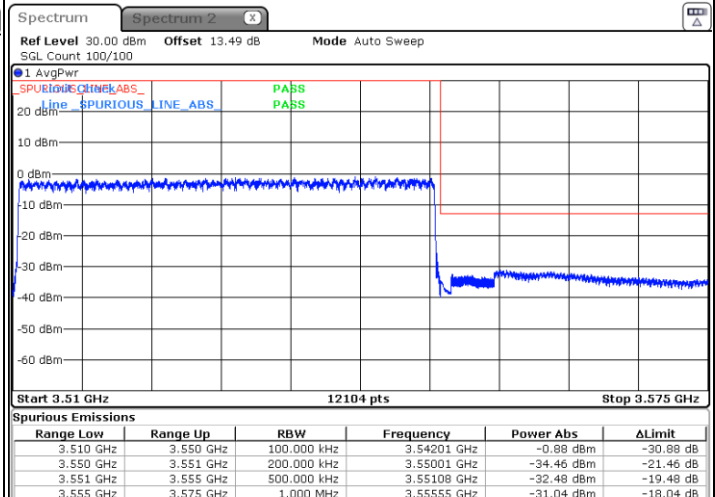
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Report No. : FG211901E

Lowest Band Edge / 1RB0



Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



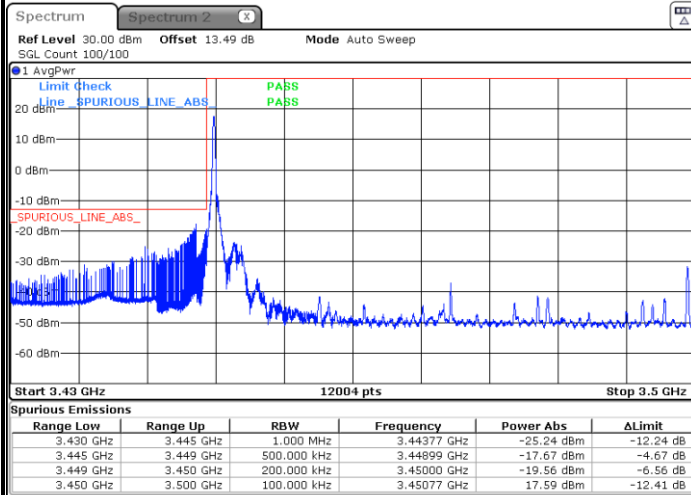
Highest Band Edge / Full RB



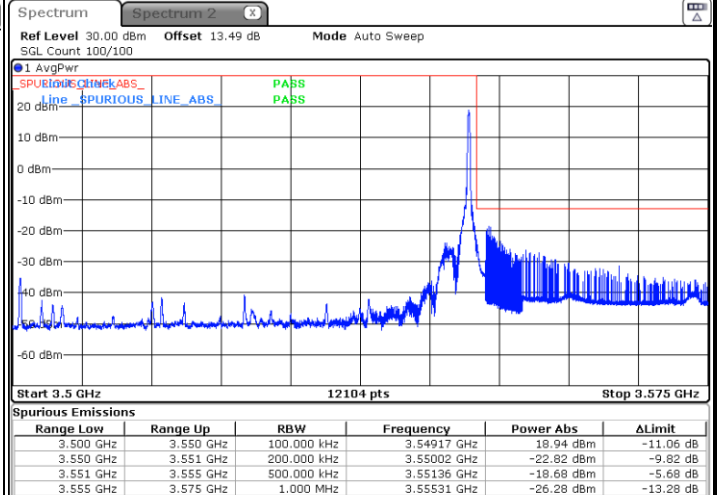


FR1 n77 / 50MHz / DFT-S OFDM / BPSK

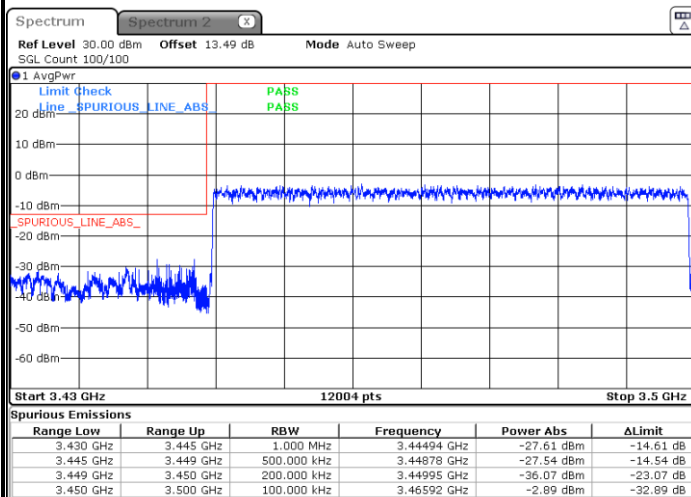
Lowest Band Edge / 1RB0



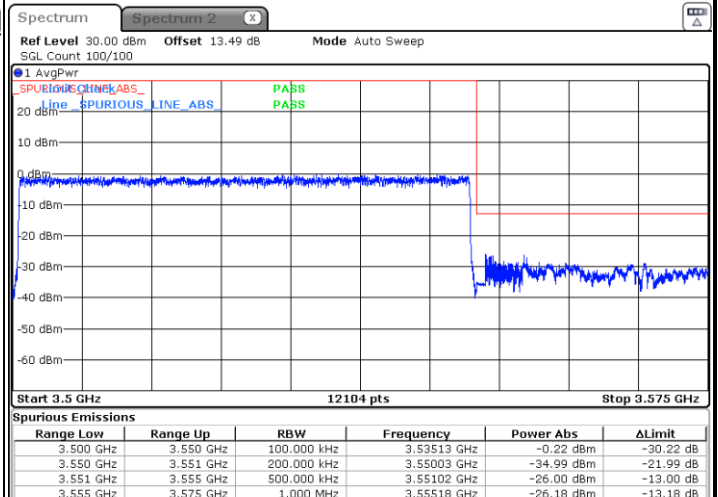
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



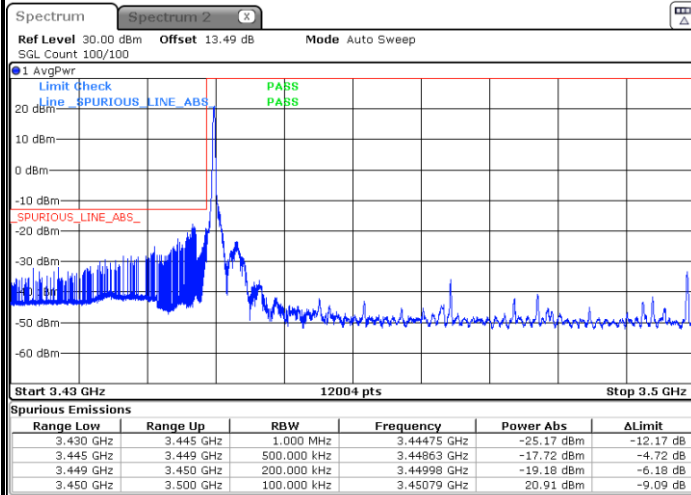
Highest Band Edge / Full RB



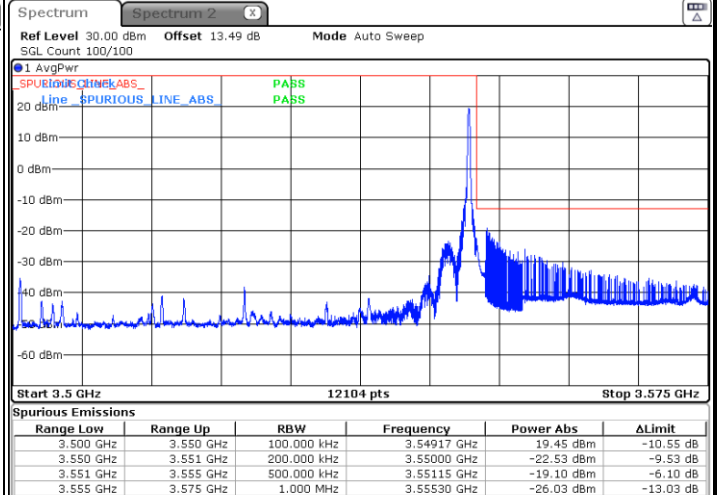


FR1 n77 / 50MHz / DFT-S OFDM / QPSK

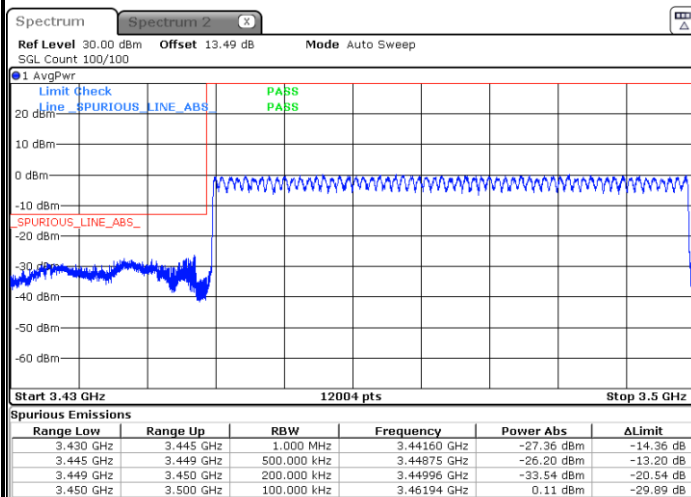
Lowest Band Edge / 1RB0



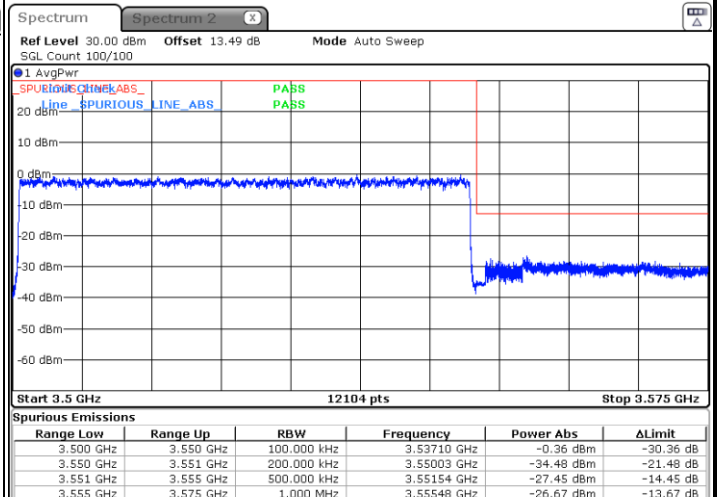
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



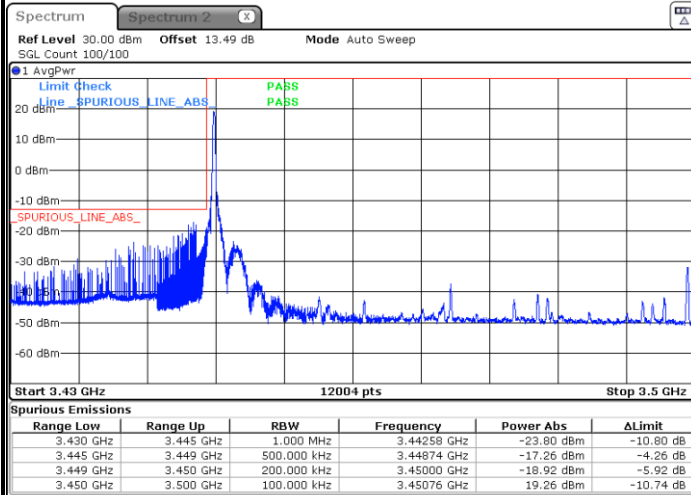
Highest Band Edge / Full RB



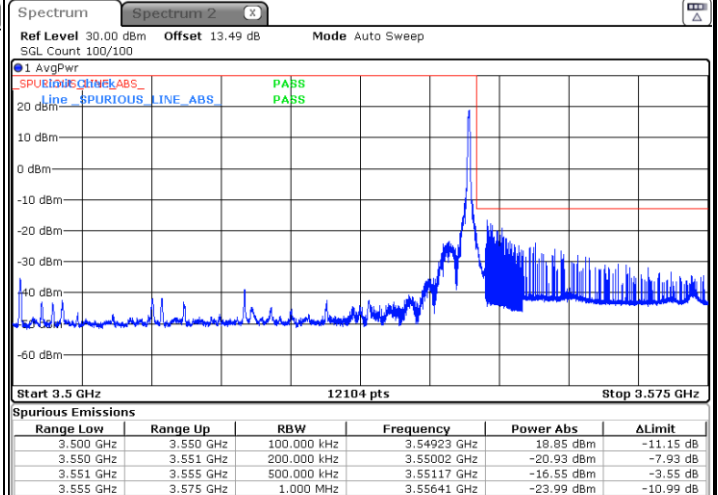


FR1 n77 / 50MHz / DFT-S OFDM / 16QAM

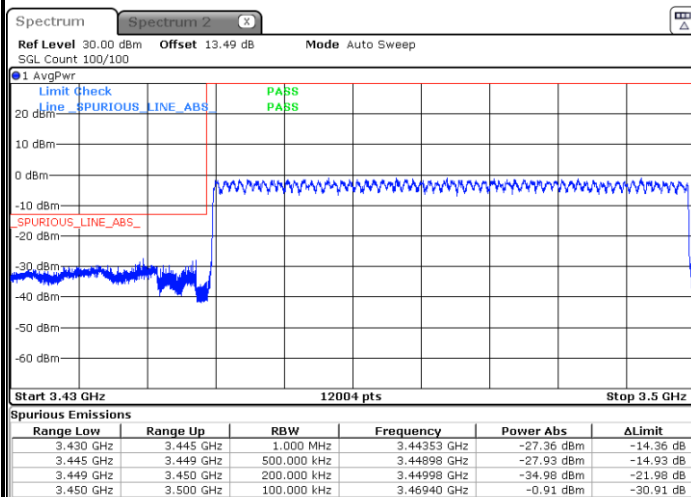
Lowest Band Edge / 1RB0



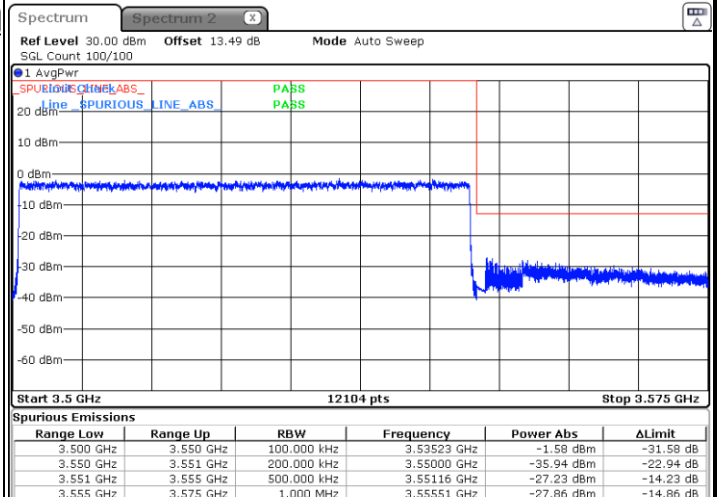
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Report No. : FG211901E

Lowest Band Edge / 1RB0



Highest Band Edge / 1RBmax

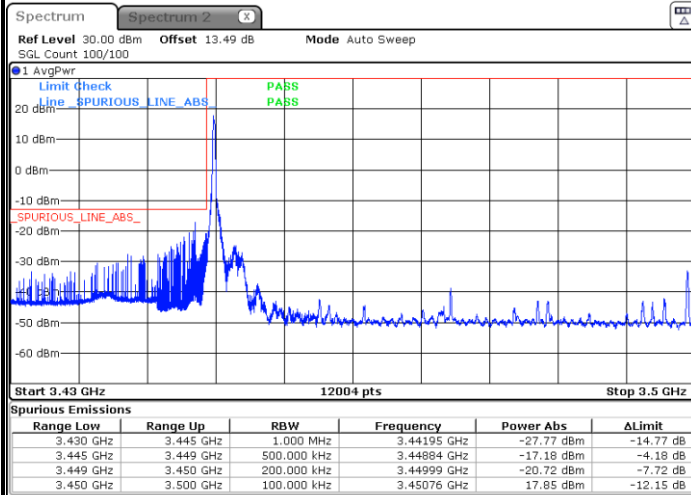
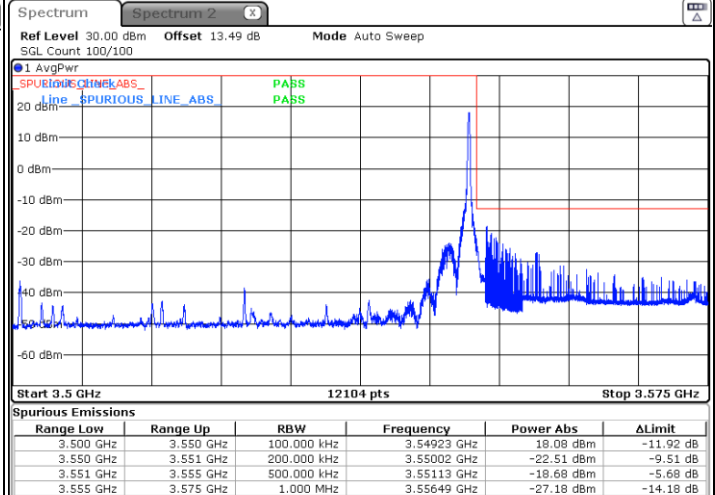
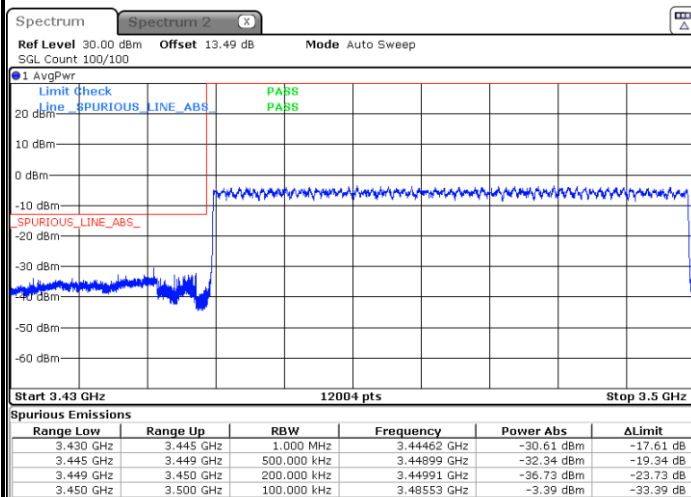
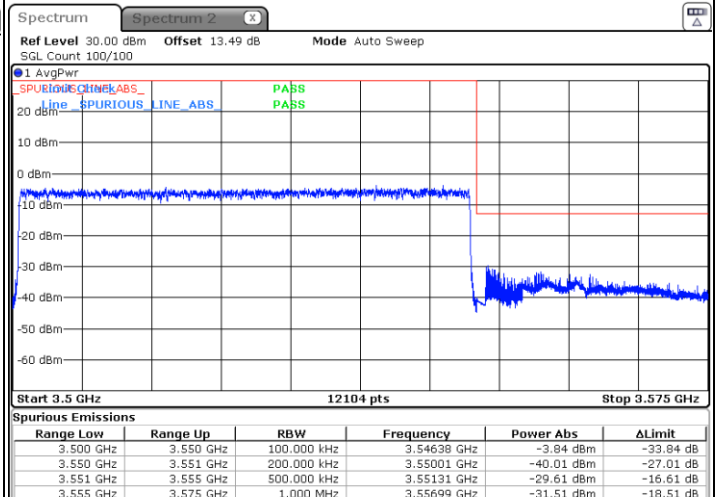


Lowest Band Edge / Full RB



Highest Band Edge / Full RB



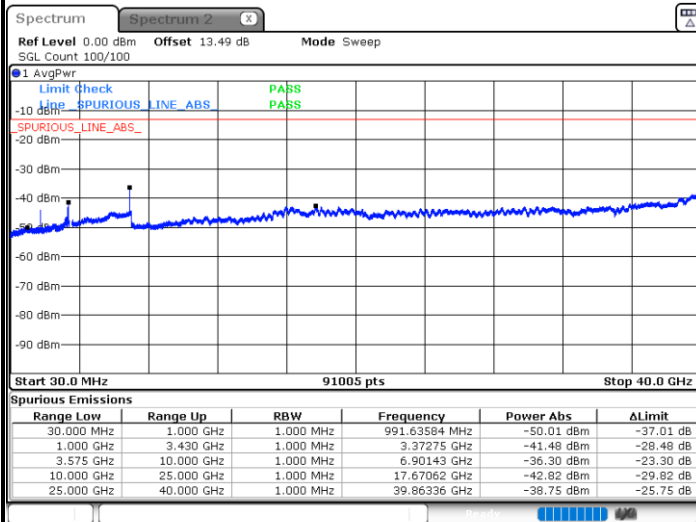
**FR1 n77 /50MHz / DFT-S OFDM / 256QAM****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



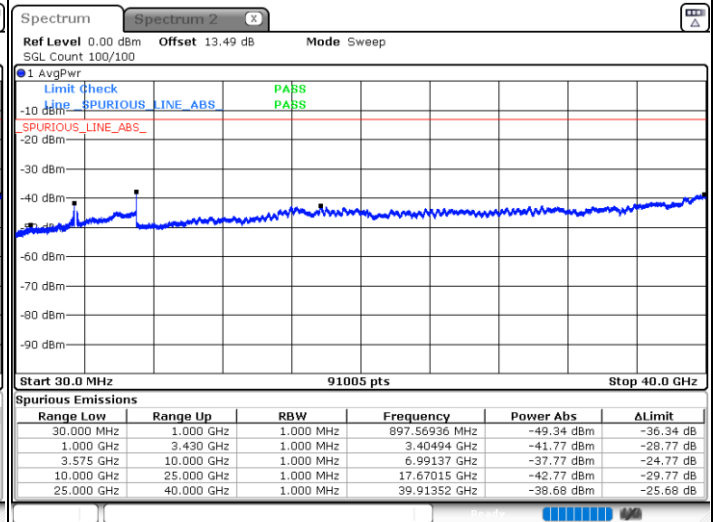
Conducted Spurious Emission

FR1 n77 / 10MHz / DFT-S OFDM / QPSK

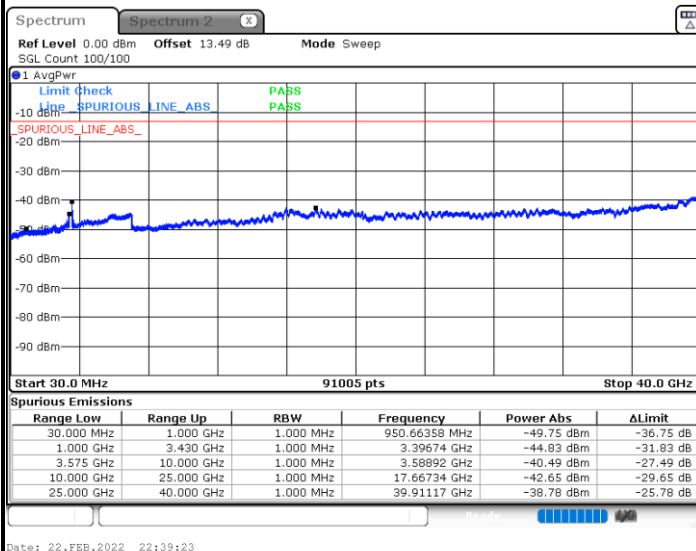
Lowest Channel / 1RB1



Middle Channel / 1RB1



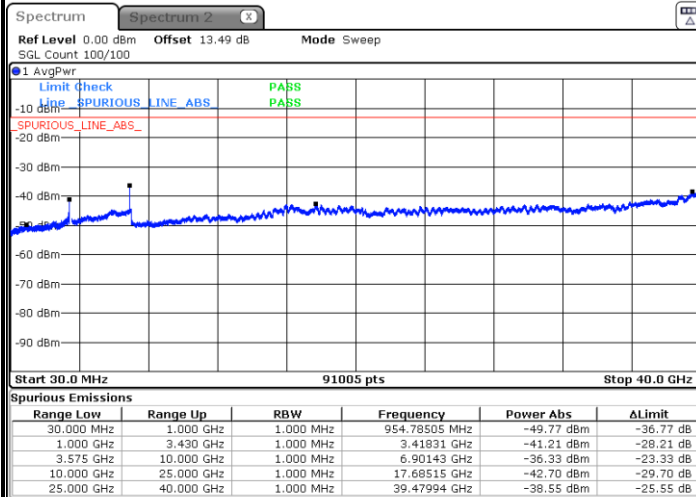
Highest Channel / 1RB1





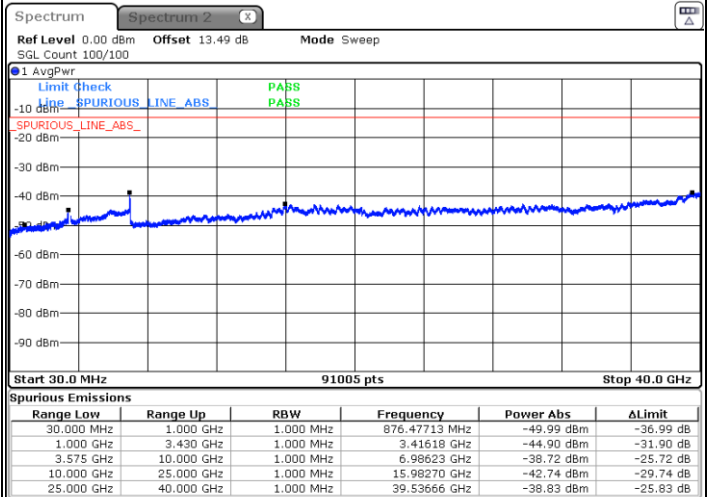
FR1 n77 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



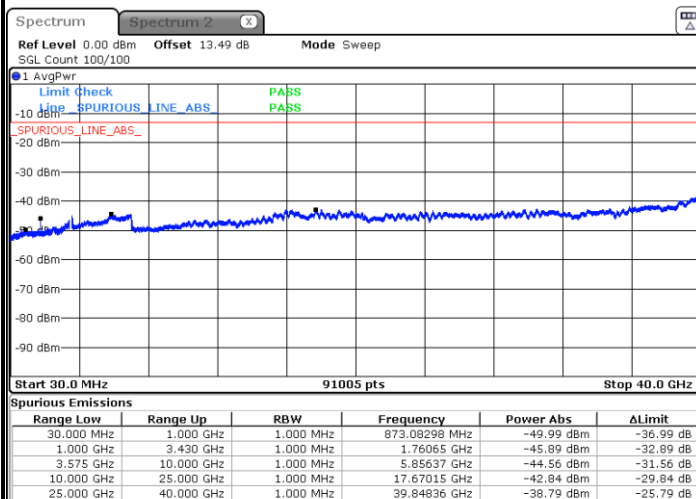
Date: 23.FEB.2022 01:49:13

Middle Channel / 1RB1



Date: 23.FEB.2022 01:50:32

Highest Channel / 1RB1

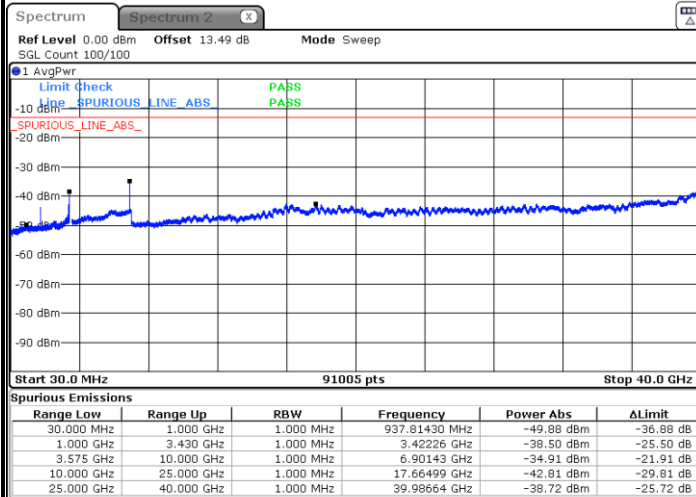


Date: 23.FEB.2022 01:51:55



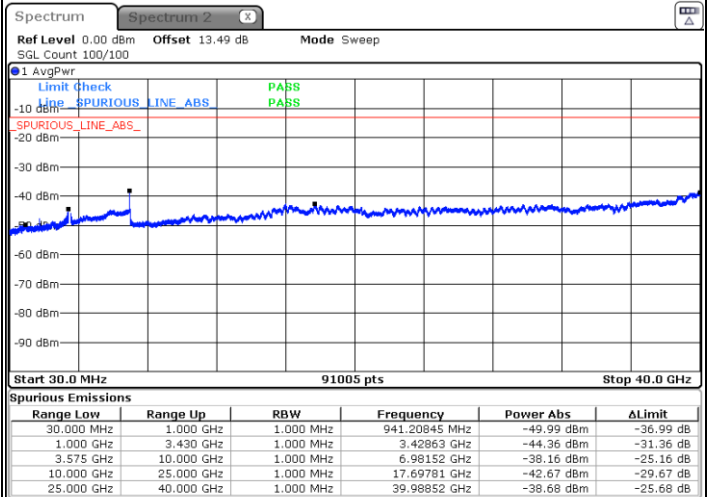
FR1 n77 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



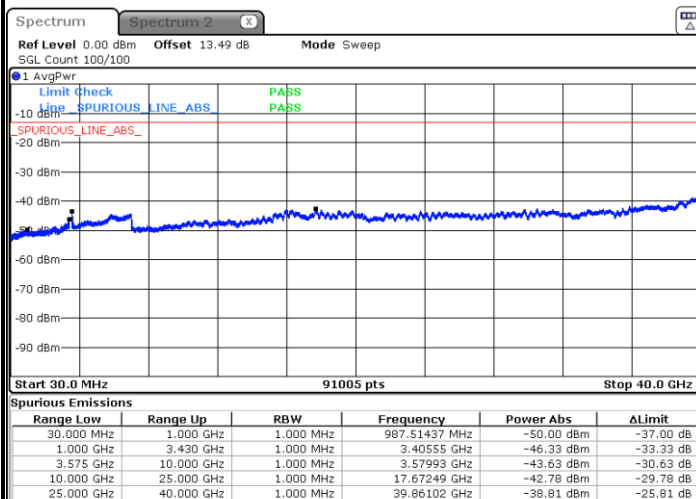
Date: 23.FEB.2022 02:58:53

Middle Channel / 1RB1



Date: 23.FEB.2022 03:00:10

Highest Channel / 1RB1

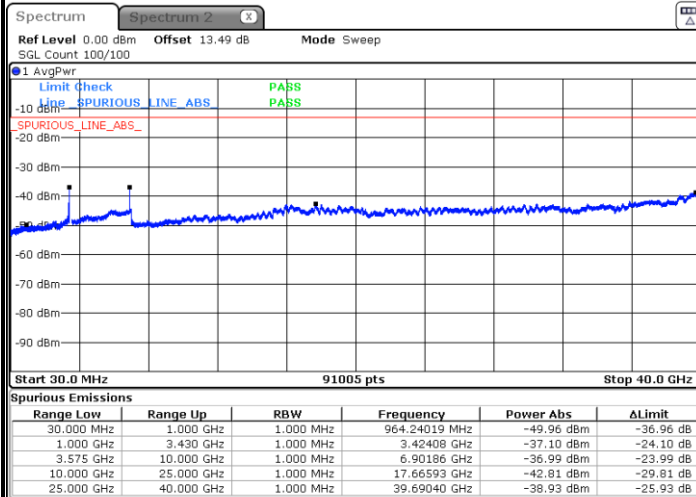


Date: 23.FEB.2022 03:01:30



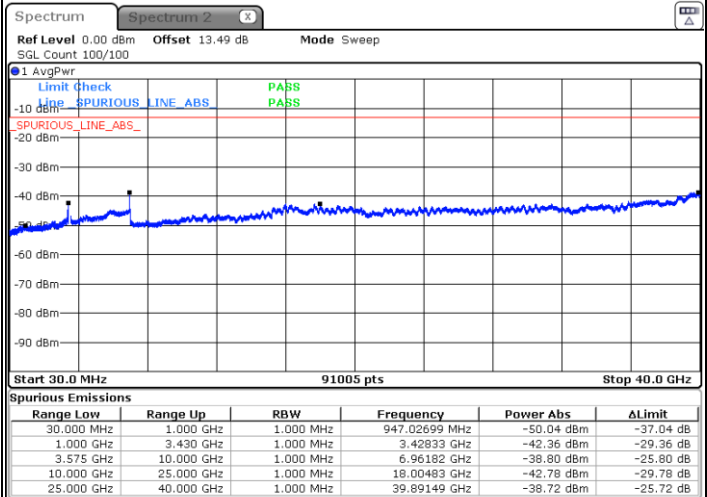
FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



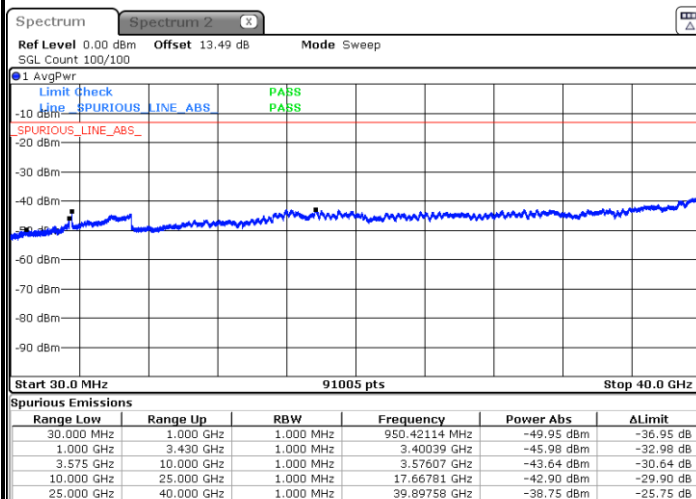
Date: 23.FEB.2022 03:32:05

Middle Channel / 1RB1



Date: 23.FEB.2022 03:33:22

Highest Channel / 1RB1

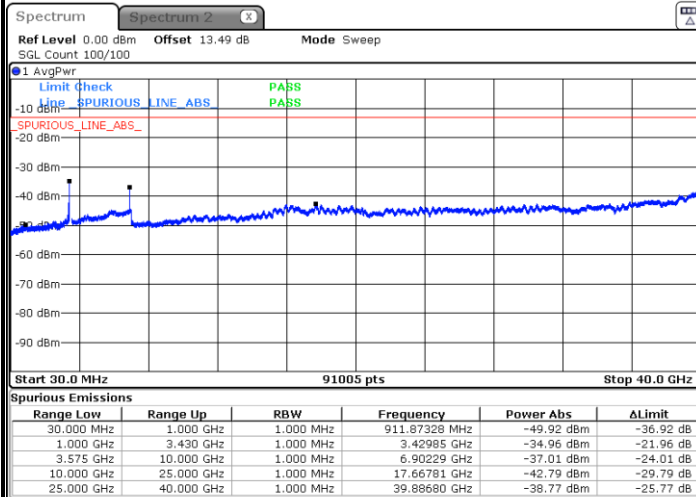


Date: 23.FEB.2022 03:34:55



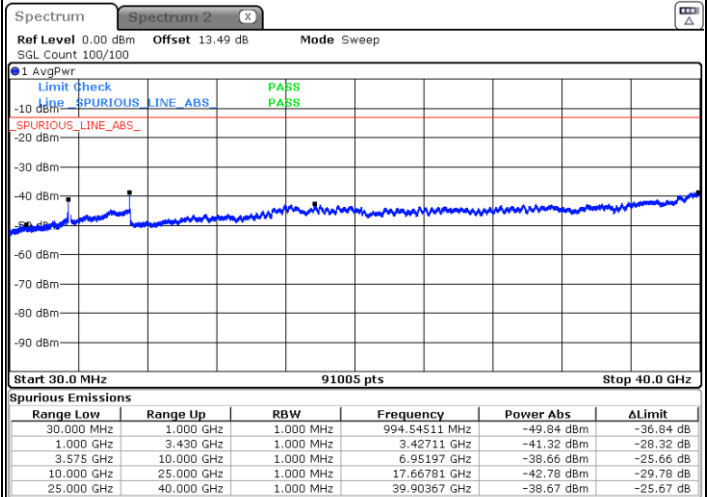
FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



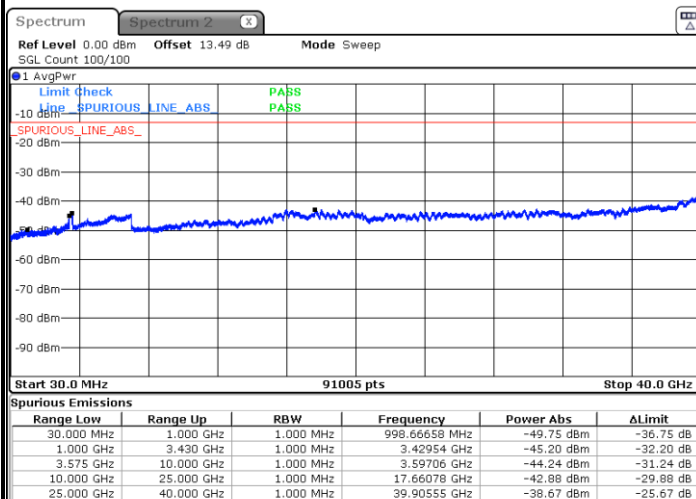
Date: 23.FEB.2022 04:01:09

Middle Channel / 1RB1



Date: 23.FEB.2022 04:02:41

Highest Channel / 1RB1



Date: 23.FEB.2022 04:04:19

Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 50MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

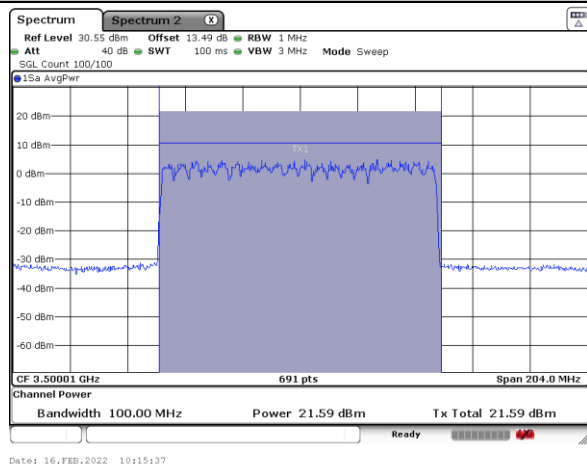


FR1 n77 for SCS 30kHz

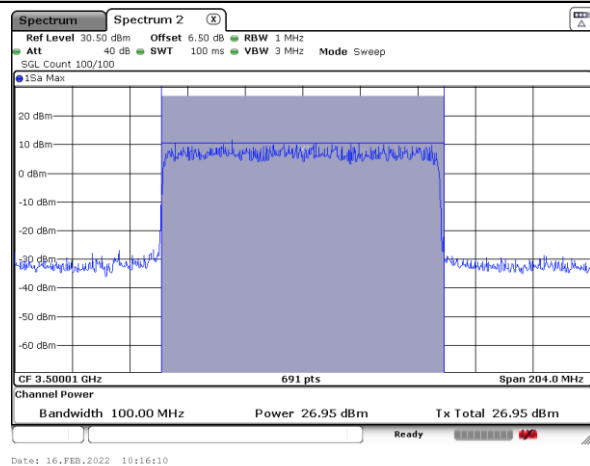
Peak-to-Average Ratio

Mode	FR1 n77 / 100MHz / DFT-s-OFDM				
Mod.	BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.39	5.43	5.34	5.35	PASS
Mod.	256QAM				
RB Size	Full RB				
Middle CH	5.35				

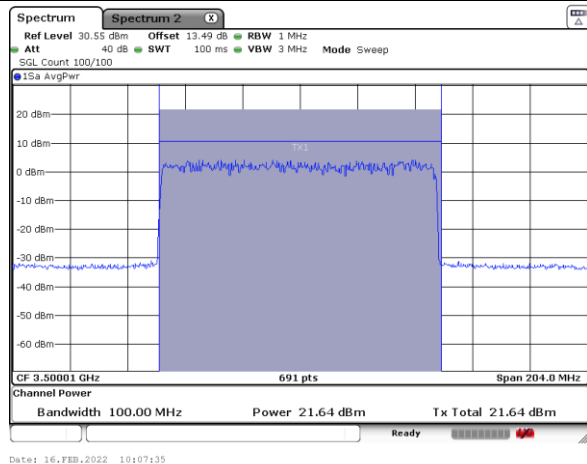
BPSK-Average



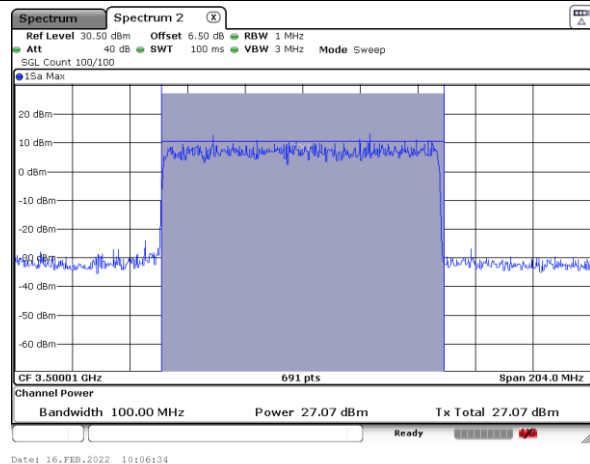
BPSK-Peak



QPSK-Average

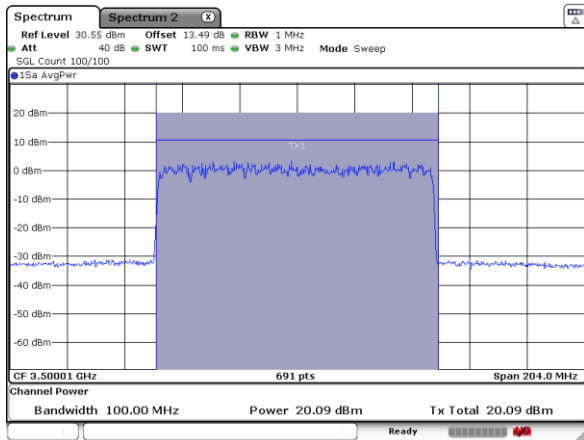


QPSK-Peak



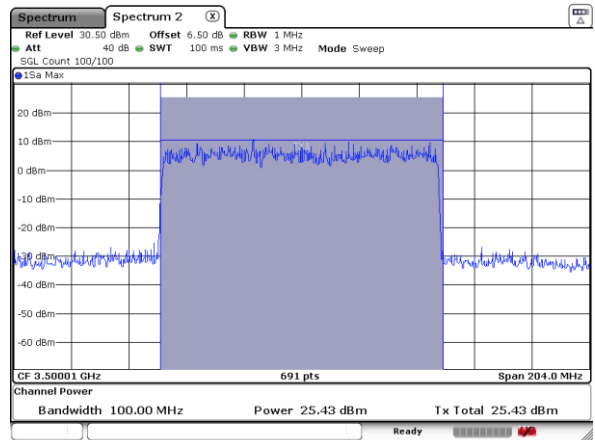


16QAM-Average



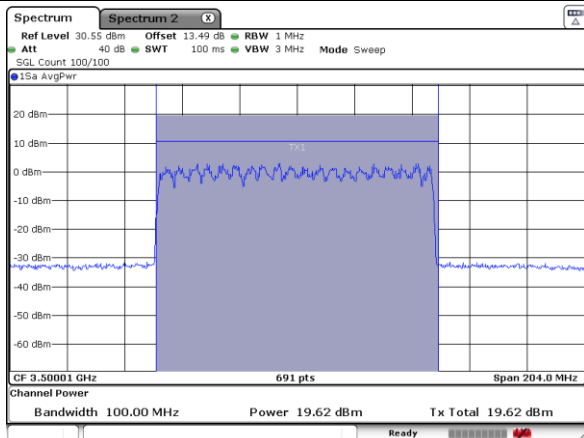
Date: 16.FEB.2022 10:05:31

16QAM-Peak



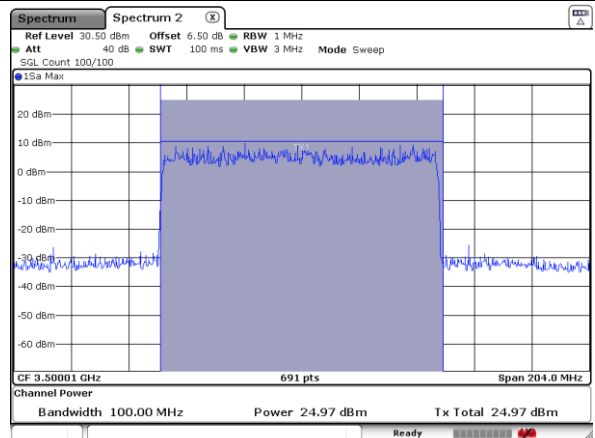
Date: 16.FEB.2022 10:06:07

64QAM-Average



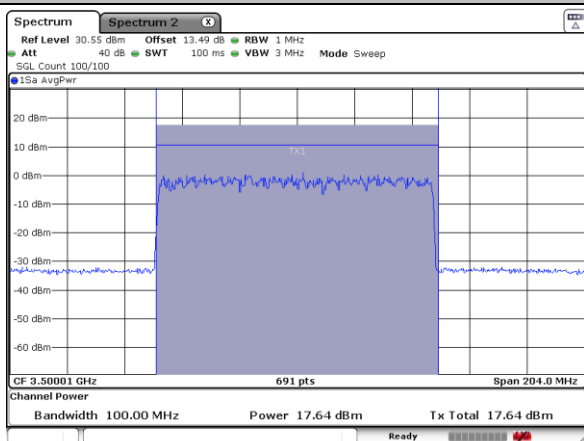
Date: 16.FEB.2022 10:17:15

64QAM-Peak



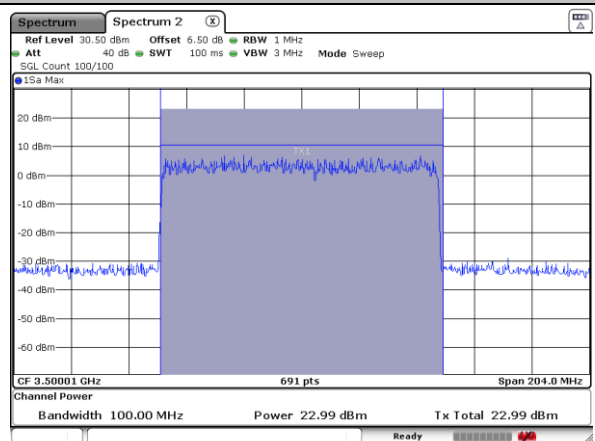
Date: 16.FEB.2022 10:16:50

256QAM-Average



Date: 16.FEB.2022 10:17:52

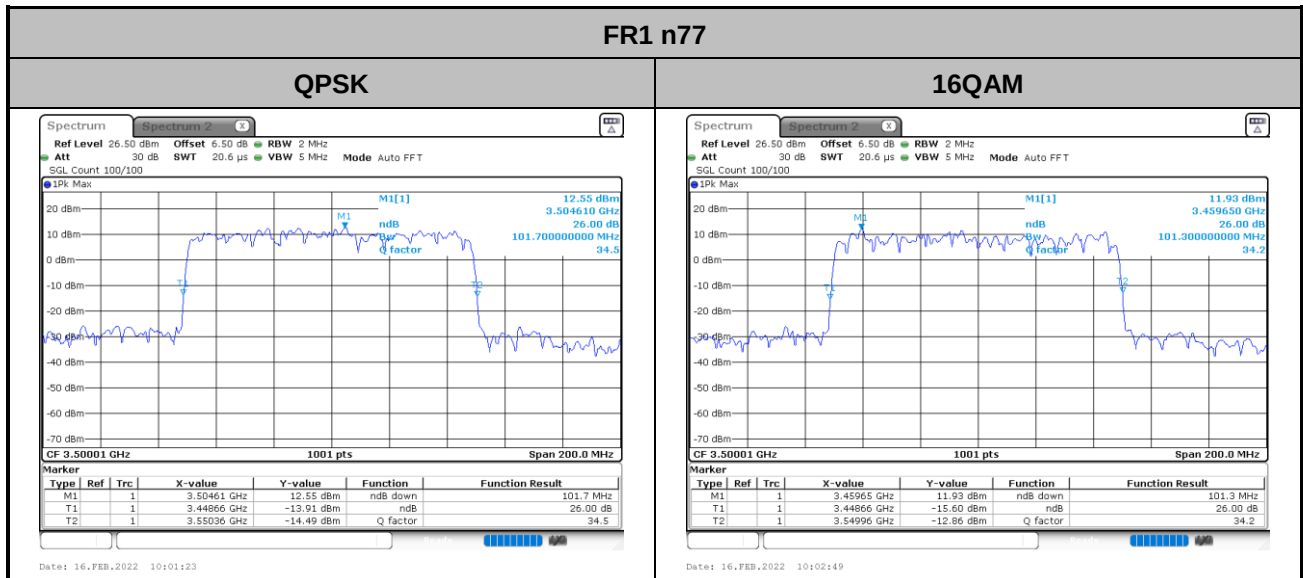
256QAM-Peak



Date: 16.FEB.2022 10:18:16

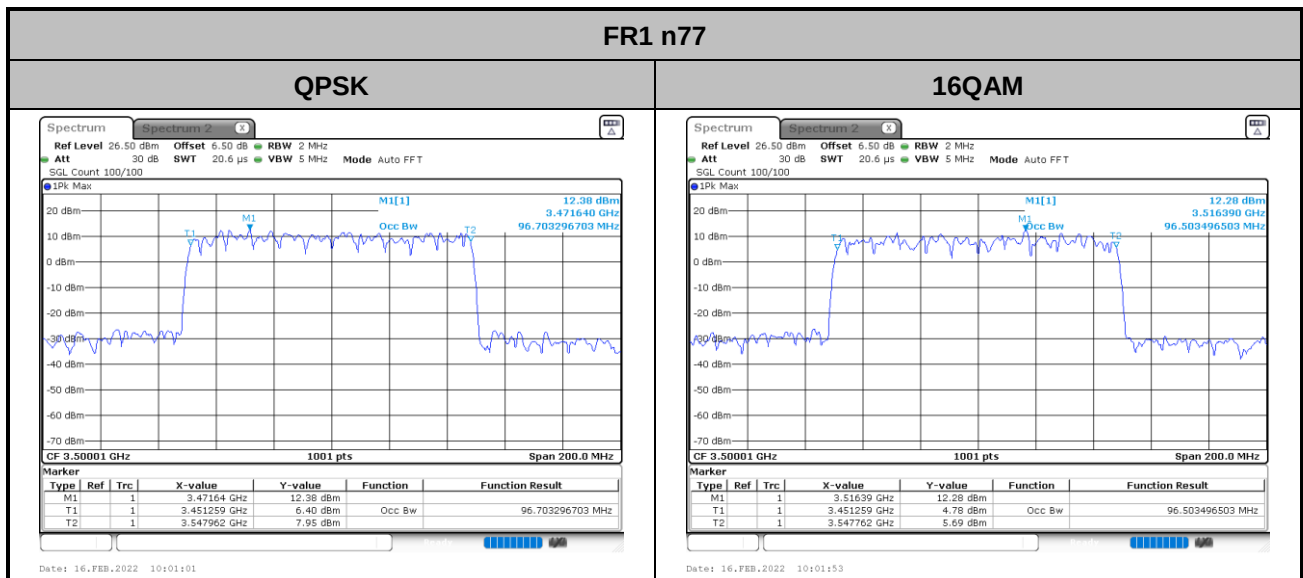
26dB Bandwidth

Mode	FR1 n77 : 26dB BW(MHz) / DFT-s-OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	101.7	101.3



Occupied Bandwidth

Mode	FR1 n77: OB BW(MHz) / DFT-s-OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	96.70	95.50

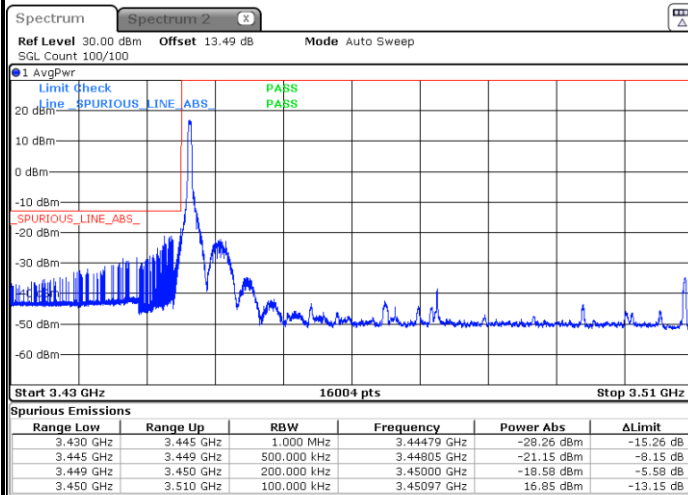




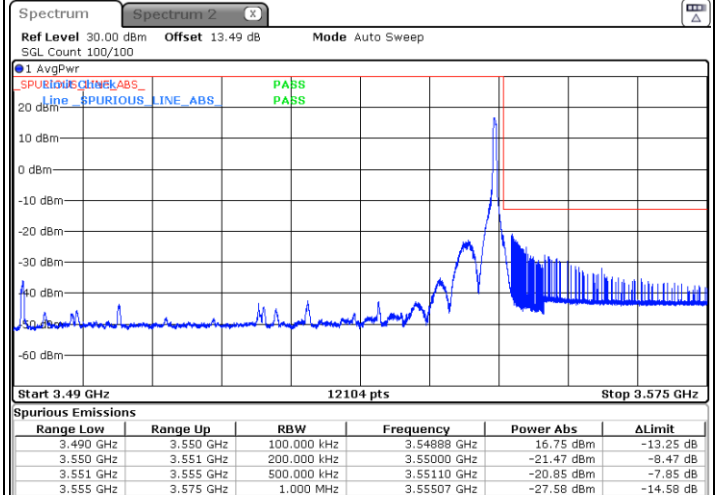
Conducted Band Edge

FR1 n77/ 60MHz / DFT-S OFDM / PI/2 BPSK

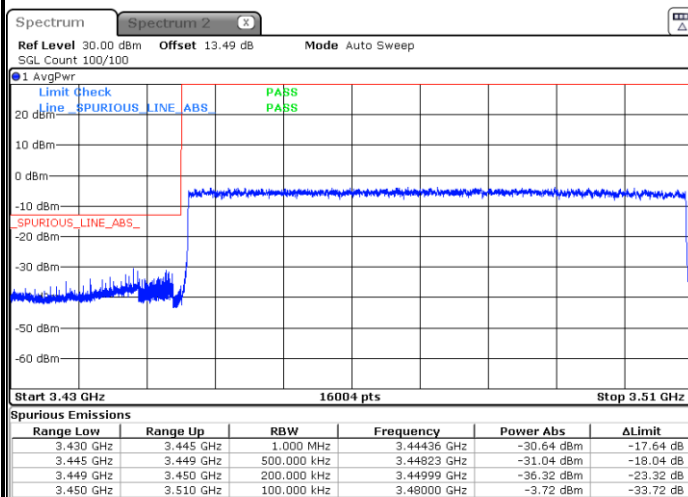
Lowest Band Edge / 1RB0



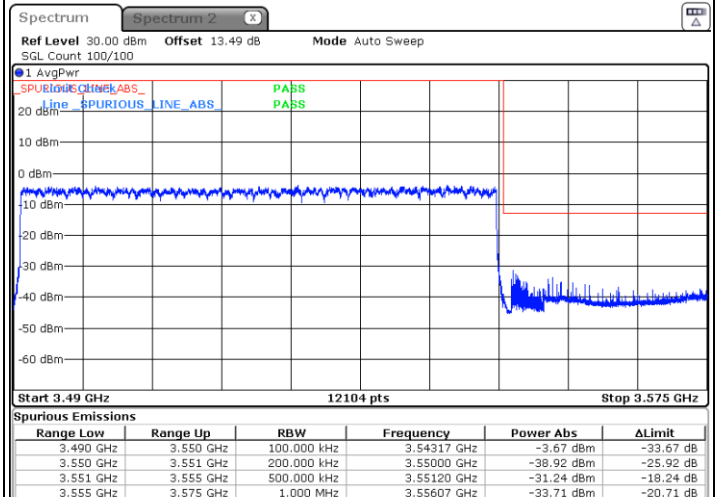
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



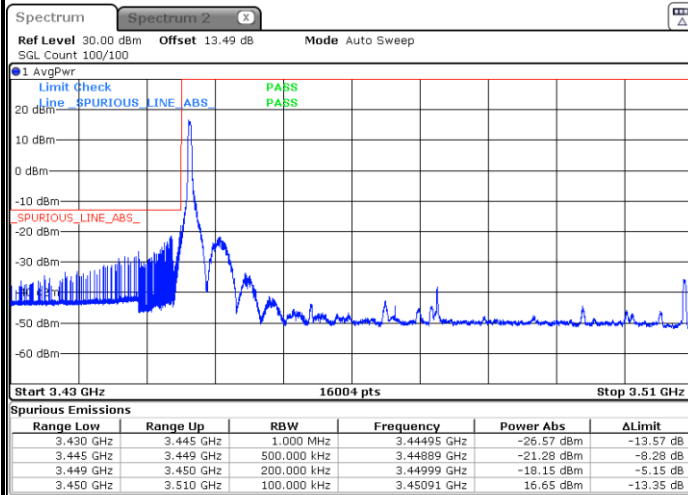
Highest Band Edge / Full RB



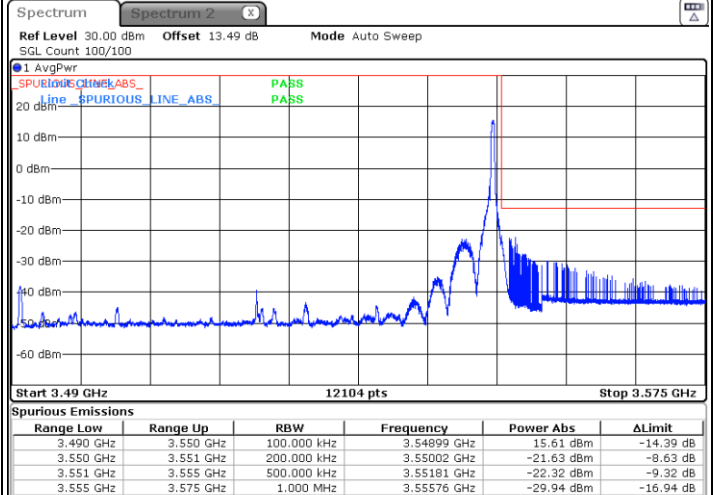


FR1 n77 / 60MHz / DFT-S OFDM / QPSK

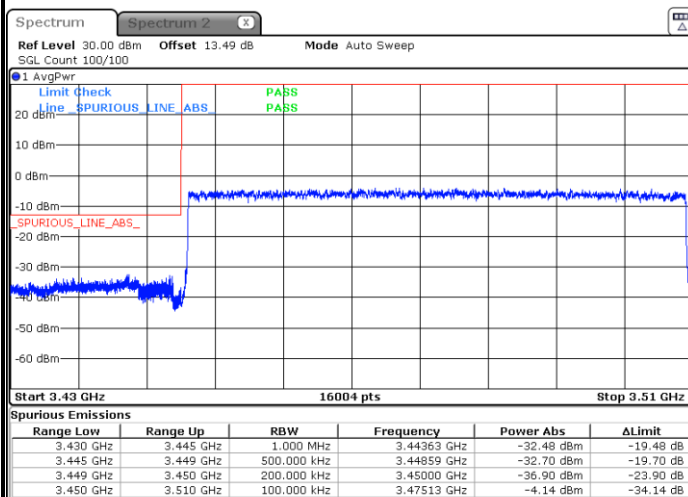
Lowest Band Edge / 1RB0



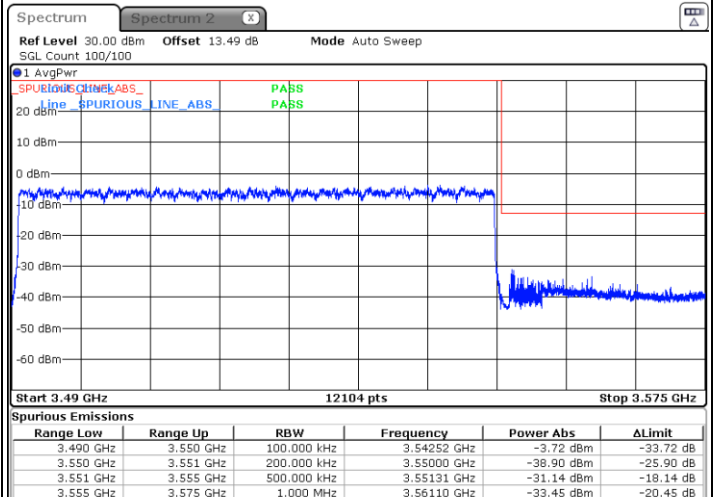
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



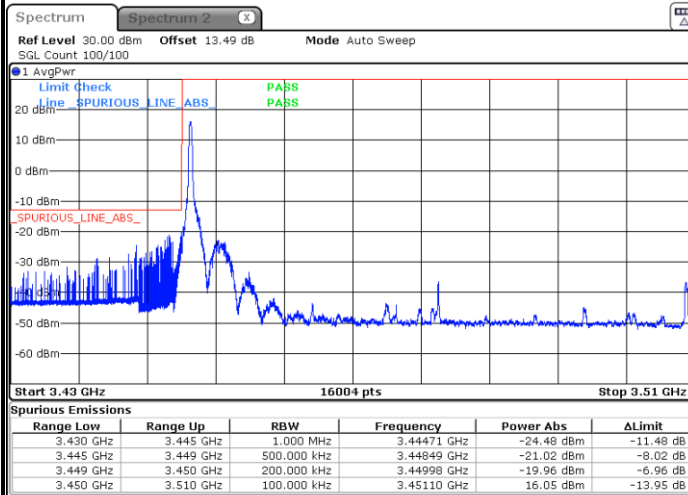
Highest Band Edge / Full RB



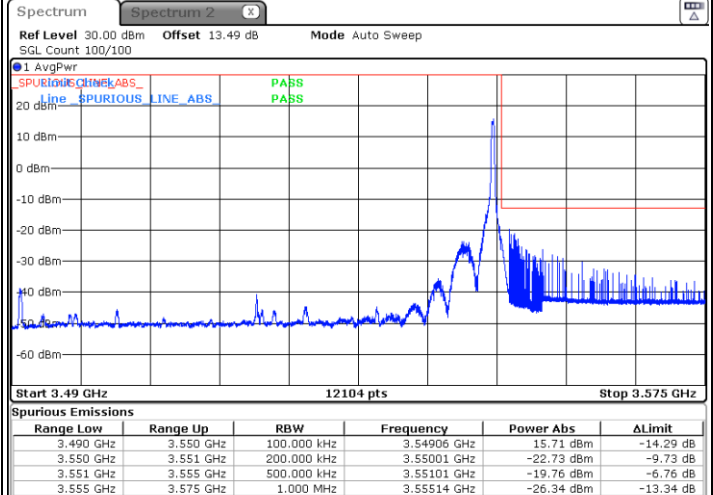


FR1 n77 / 60MHz / DFT-S OFDM / 16QAM

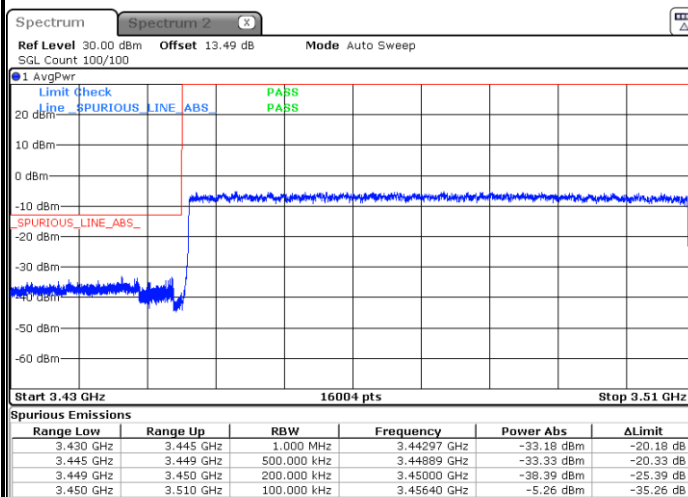
Lowest Band Edge / 1RB0



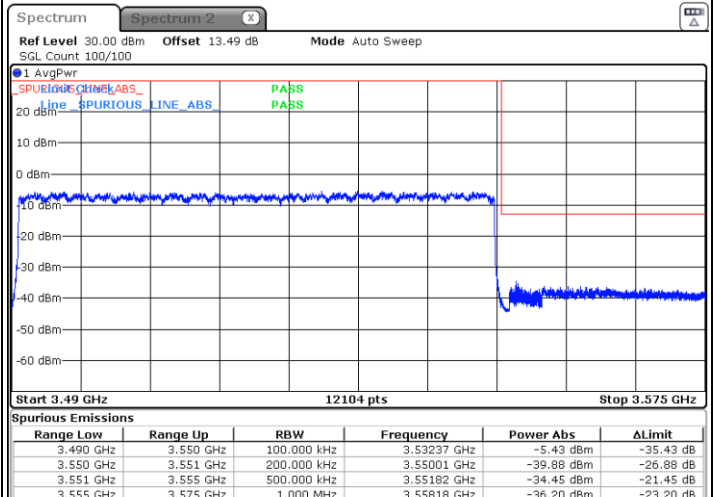
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



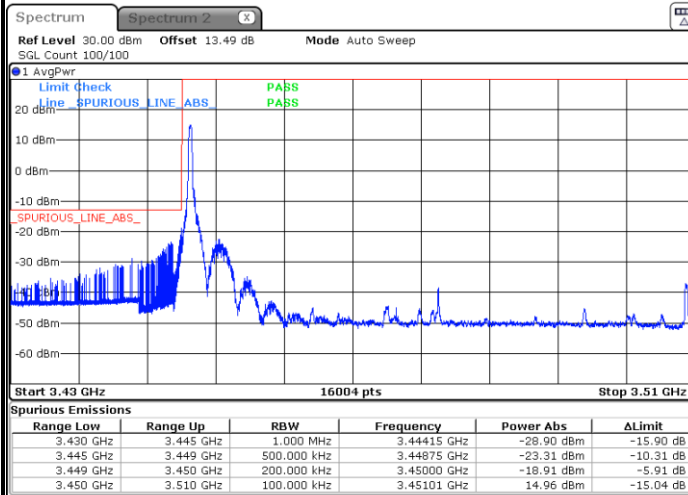
Highest Band Edge / Full RB



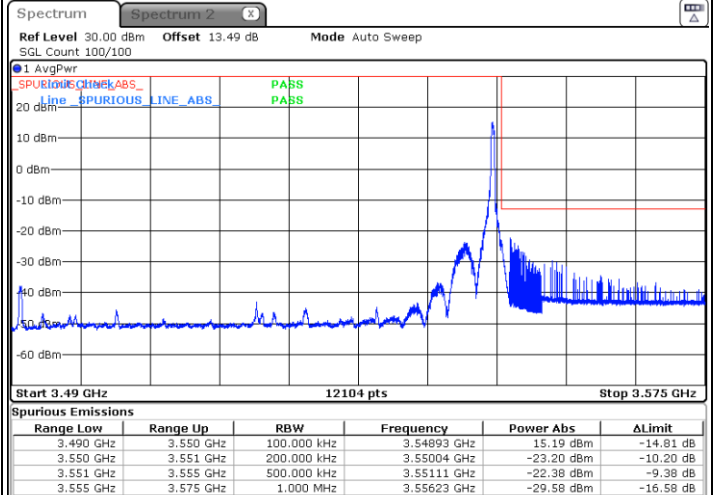


FR1 n77 / 60MHz / DFT-S OFDM / 64QAM

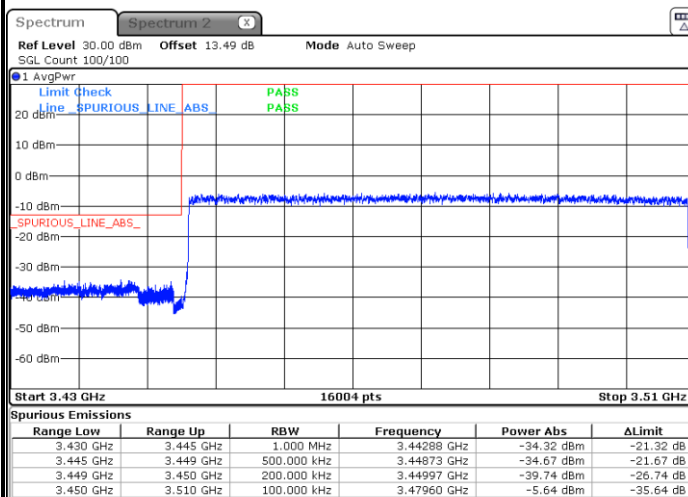
Lowest Band Edge / 1RB0



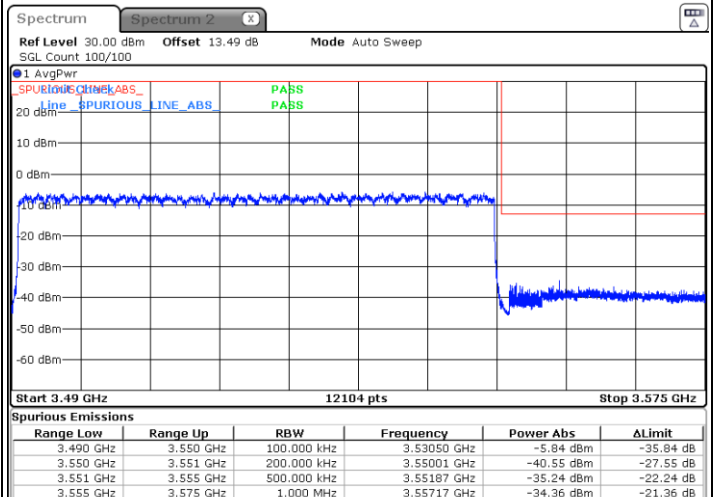
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



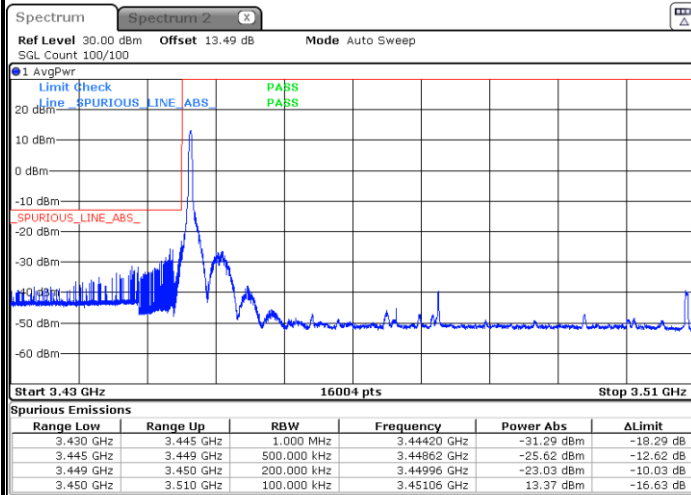
Highest Band Edge / Full RB



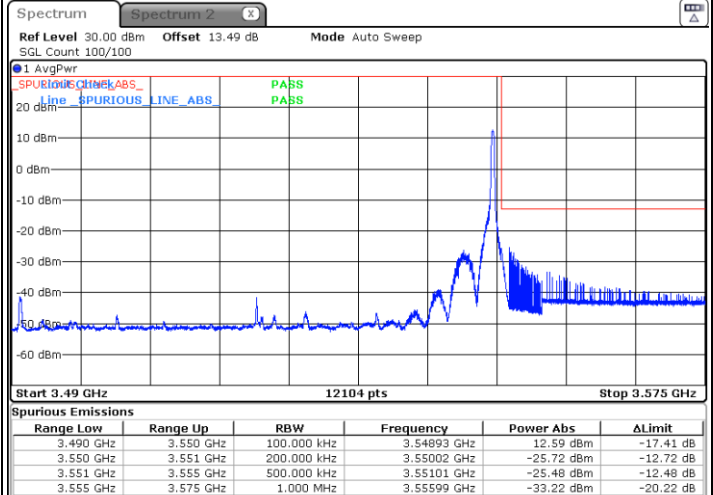


FR1 n77 / 60MHz / DFT-S OFDM / 256QAM

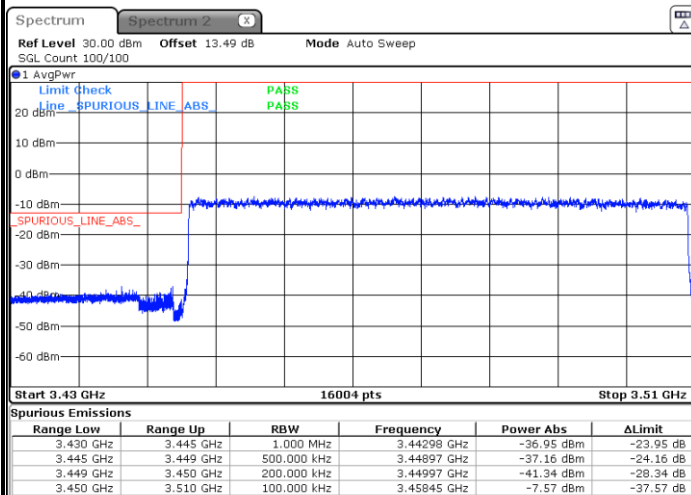
Lowest Band Edge / 1RB0



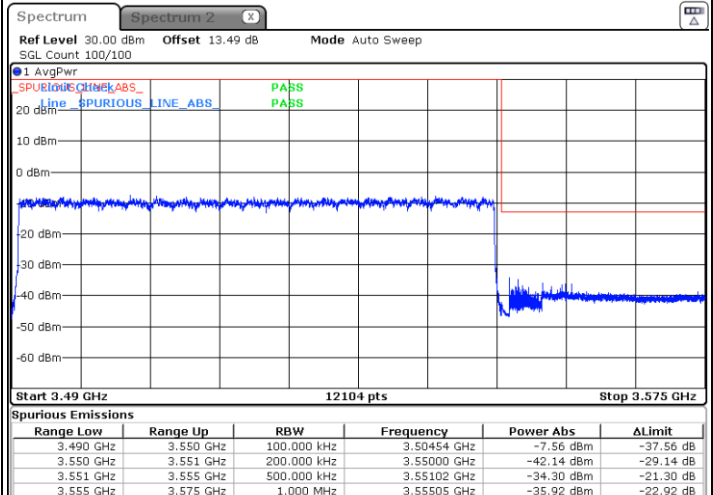
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



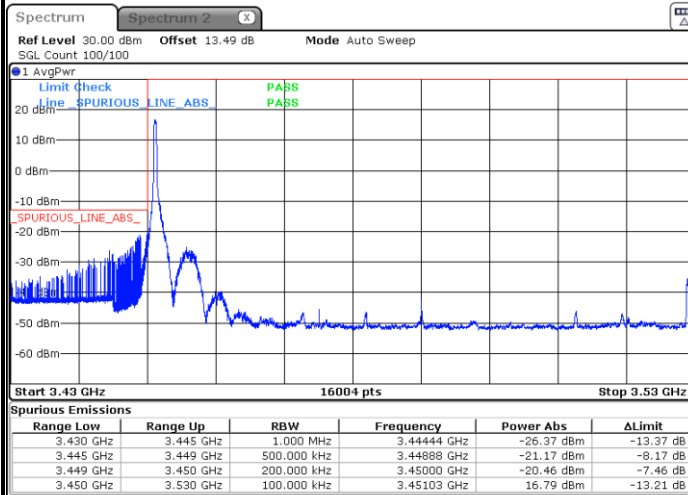
Highest Band Edge / Full RB



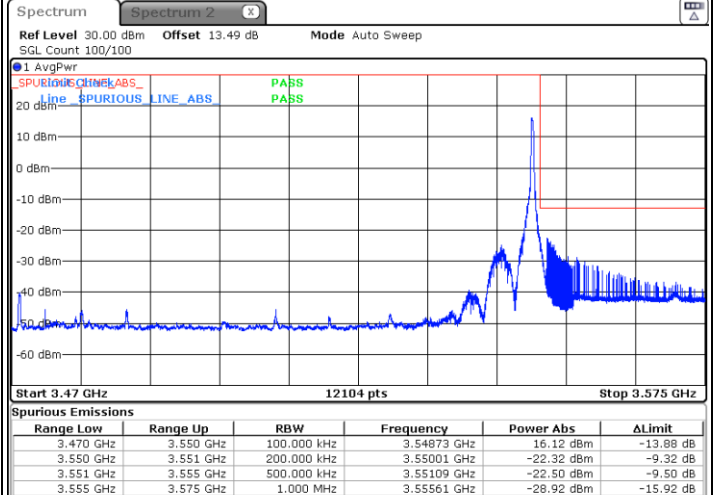


FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

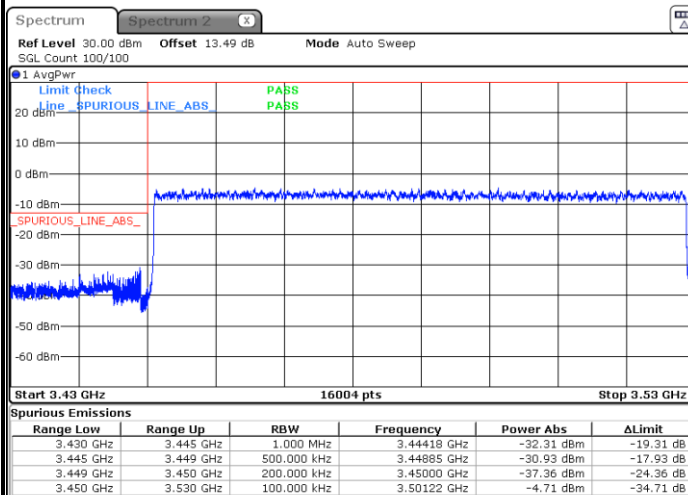
Lowest Band Edge / 1RB0



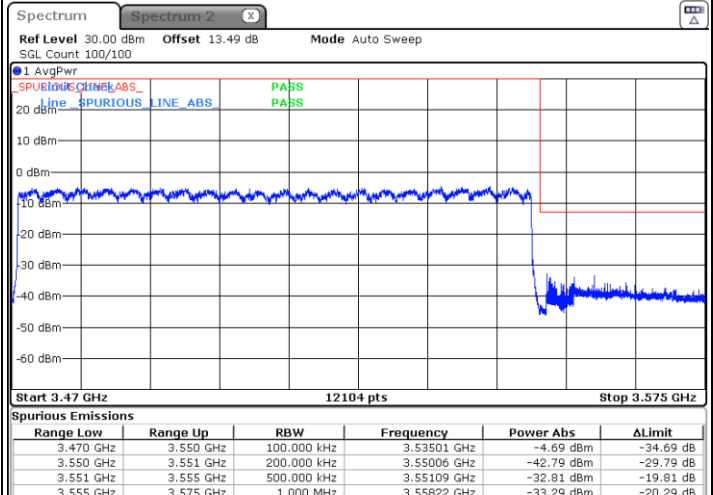
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



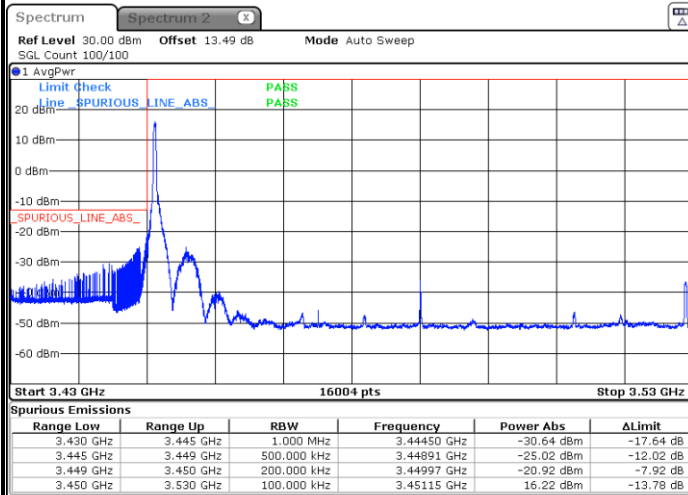
Highest Band Edge / Full RB



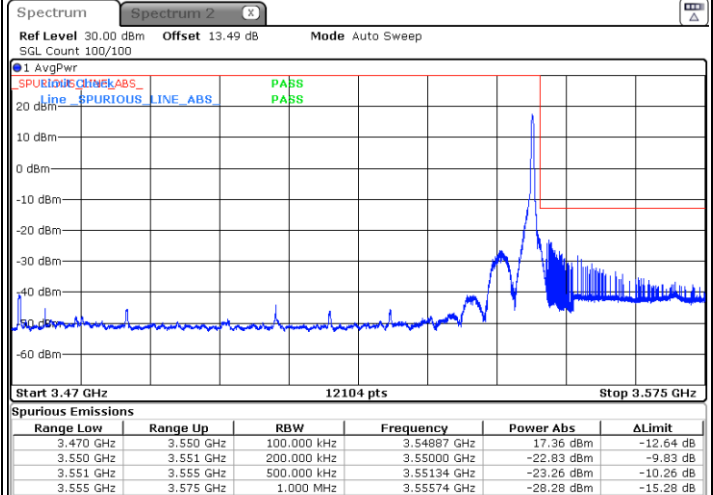


FR1 n77 / 80MHz / DFT-S OFDM / QPSK

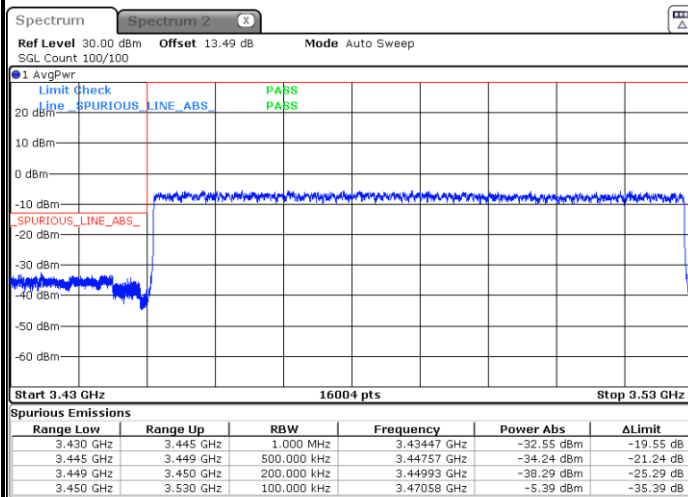
Lowest Band Edge / 1RB0



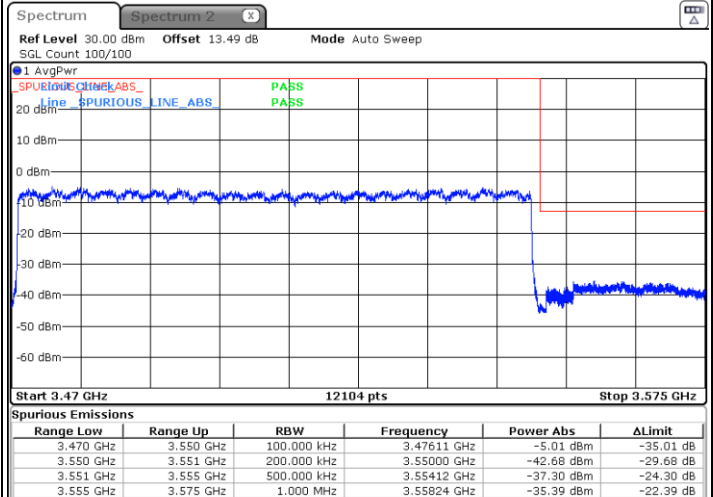
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



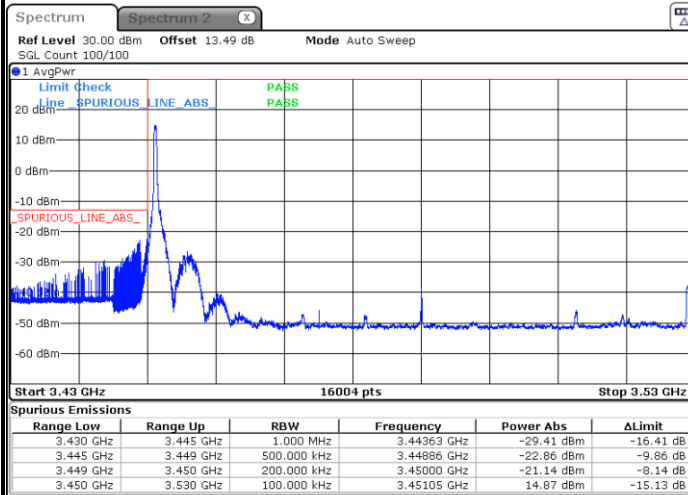
Highest Band Edge / Full RB



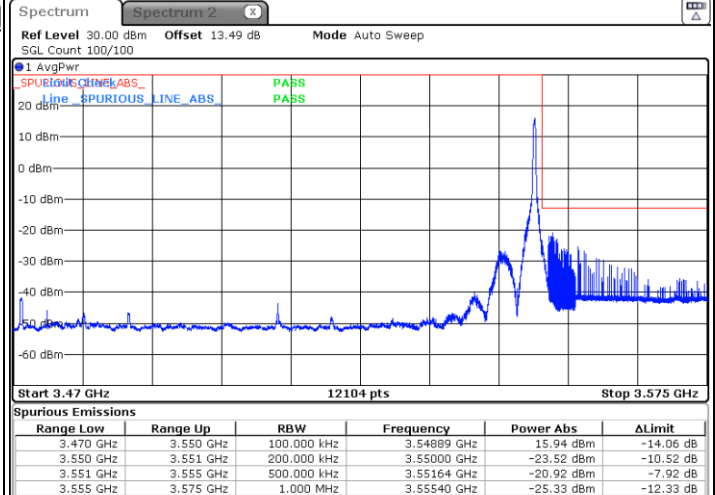


FR1 n77 / 80MHz / DFT-S OFDM / 16QAM

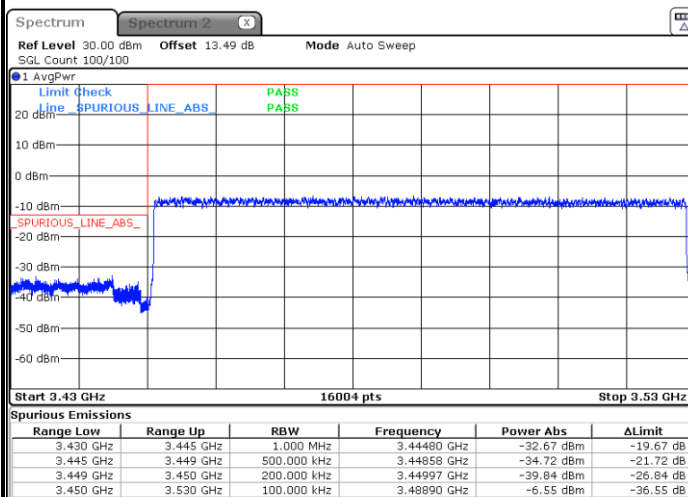
Lowest Band Edge / 1RB0



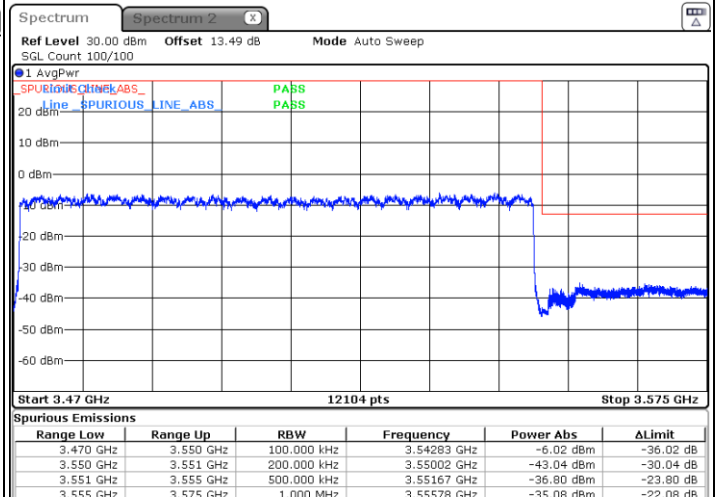
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



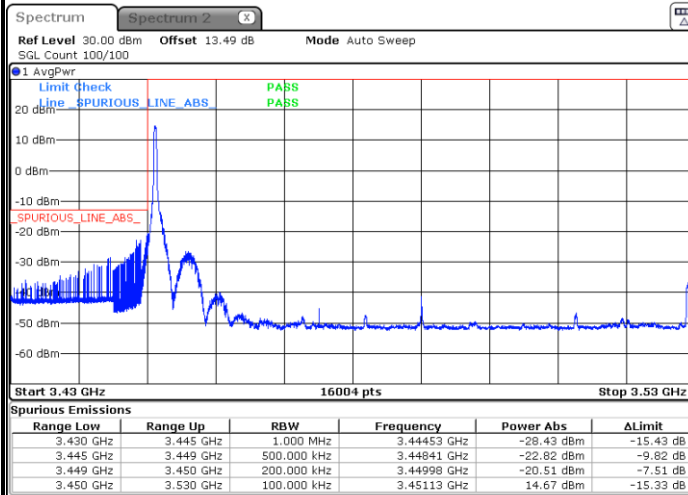
Highest Band Edge / Full RB



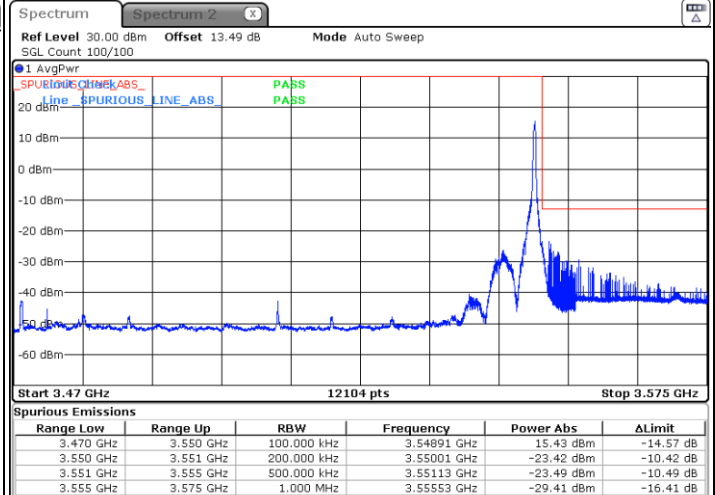


FR1 n77 / 80MHz / DFT-S OFDM / 64QAM

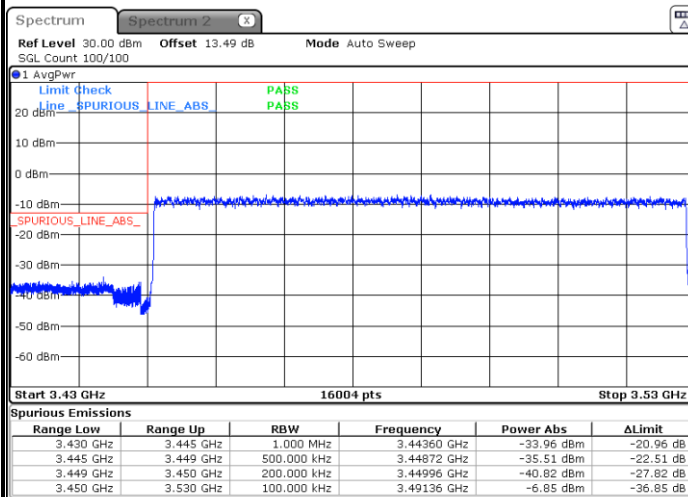
Lowest Band Edge / 1RB0



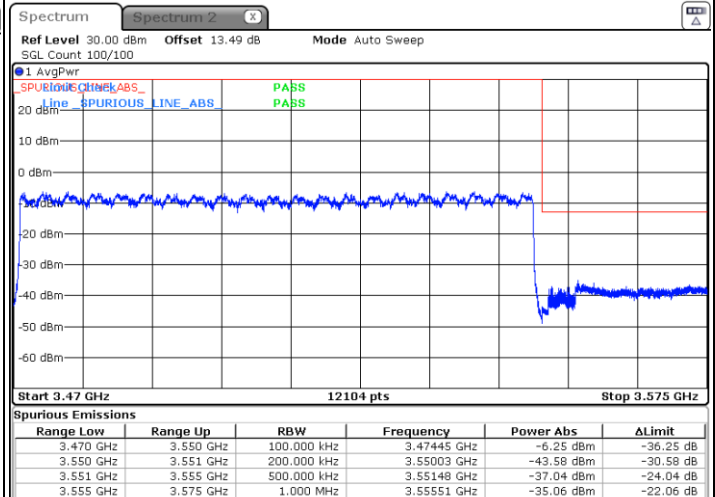
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



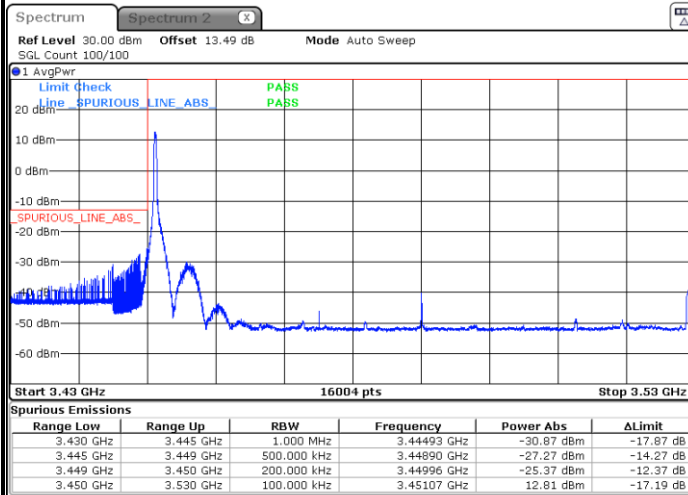
Highest Band Edge / Full RB



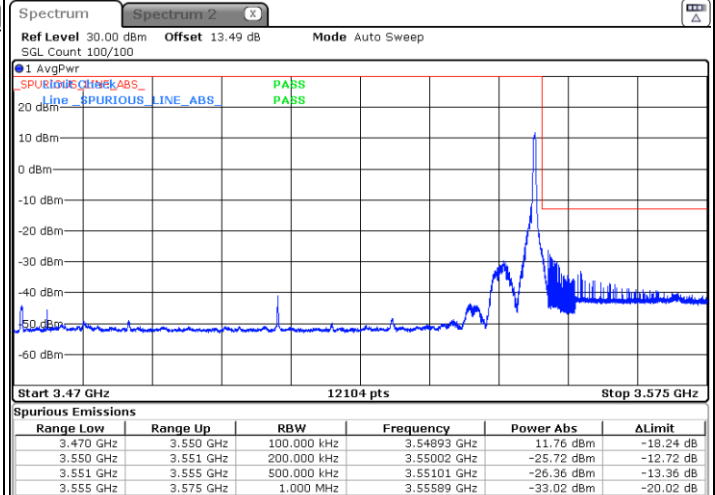


FR1 n77 / 80MHz / DFT-S OFDM / 256QAM

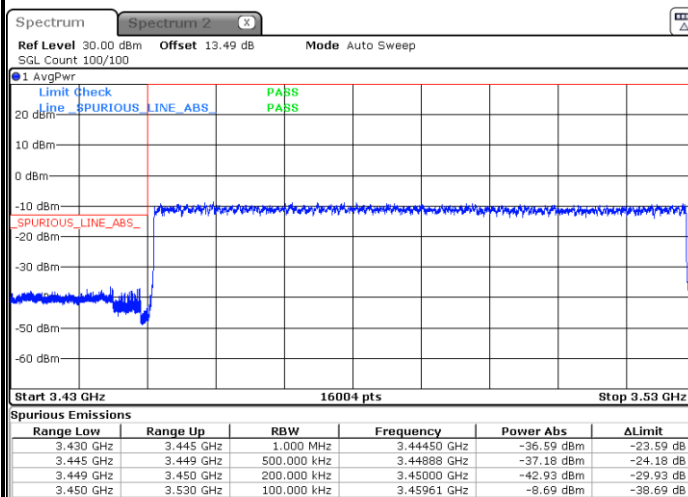
Lowest Band Edge / 1RB0



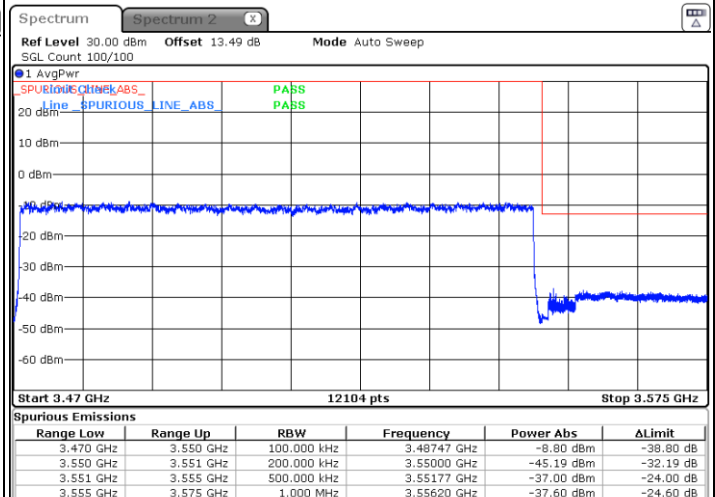
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

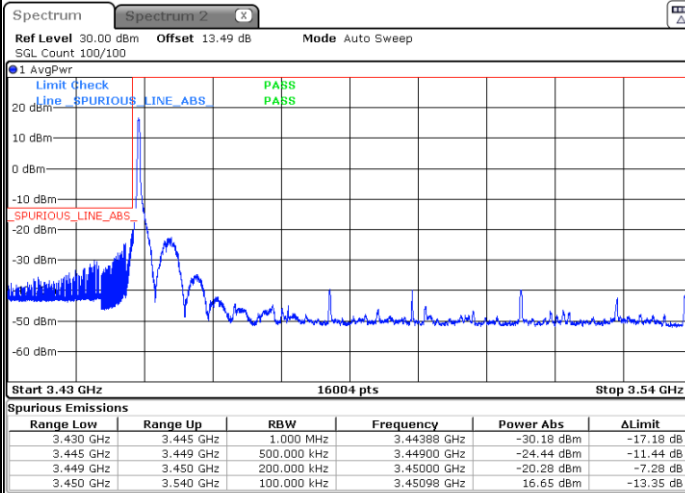




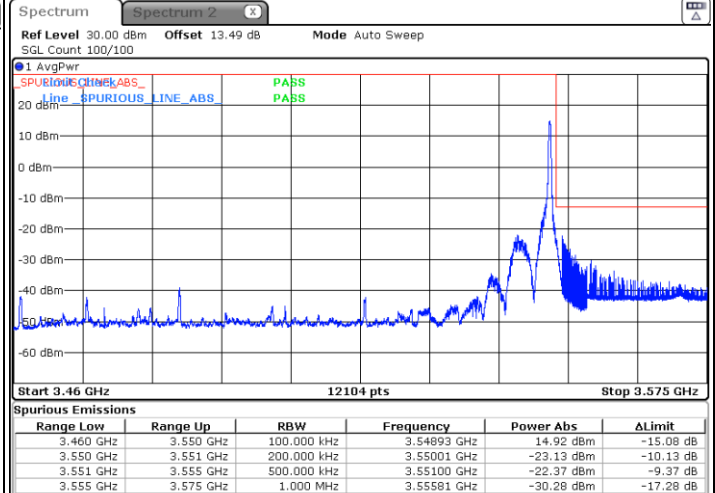
FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



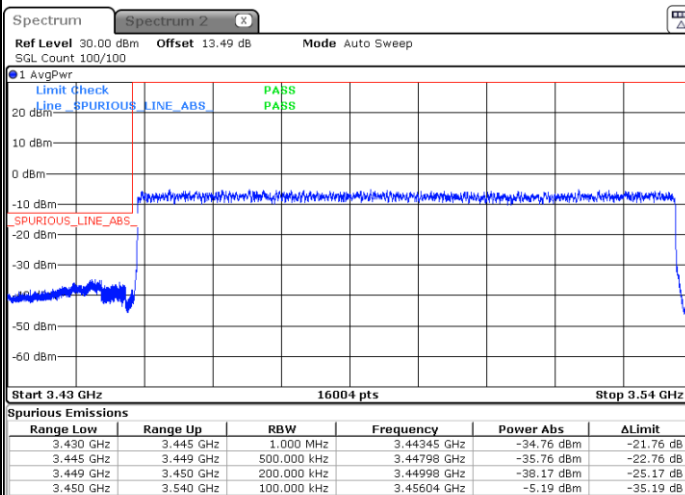
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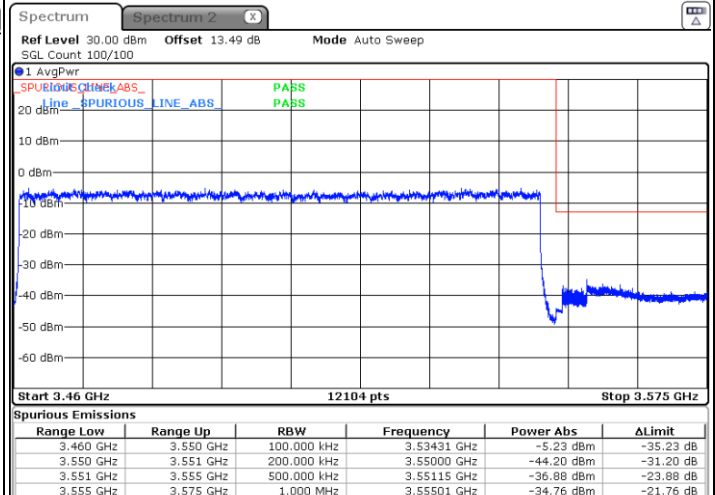
Date: 16.FEB.2022 12:34:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 11:08:22



Date: 16.FEB.2022 11:20:43