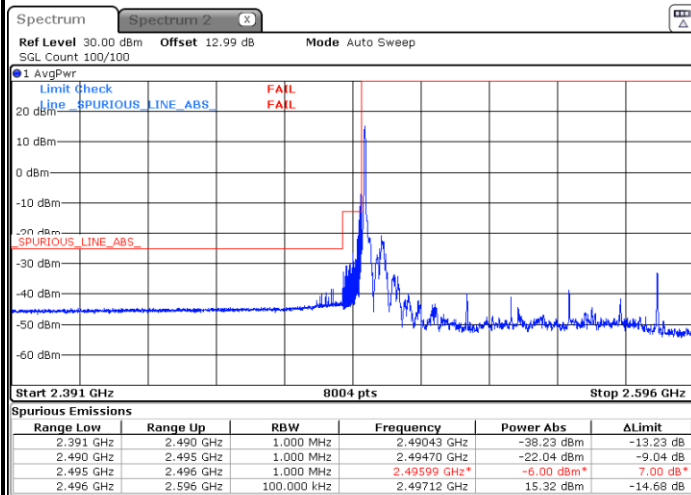


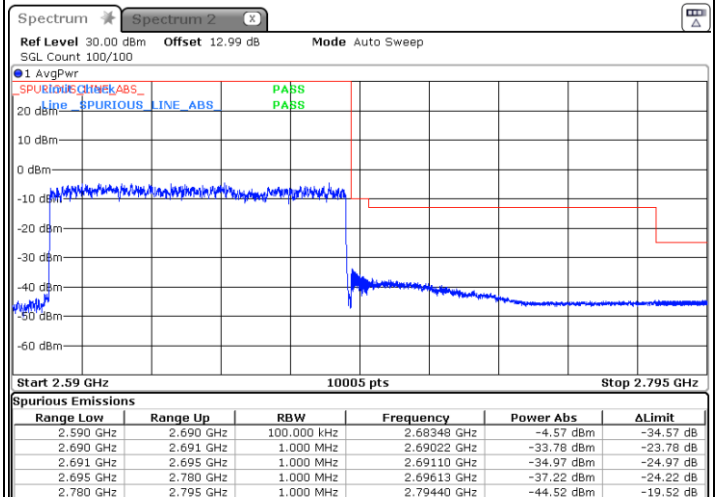
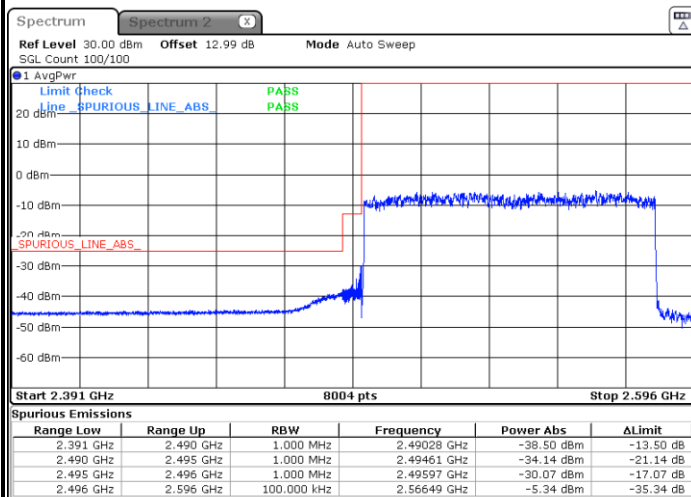
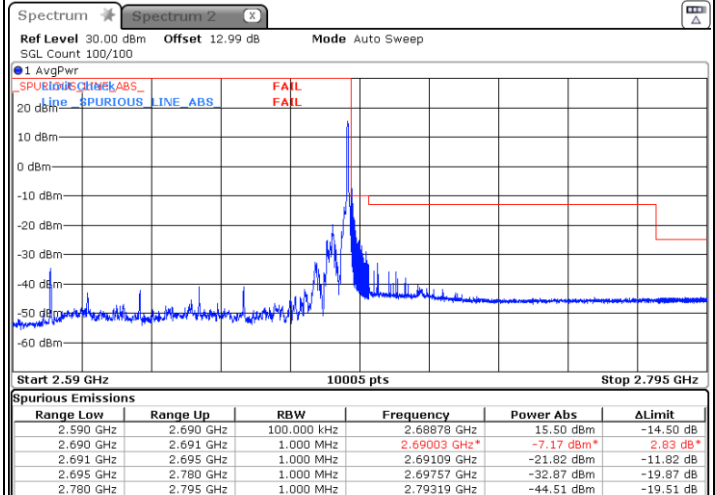


FR1 n41 / 90MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

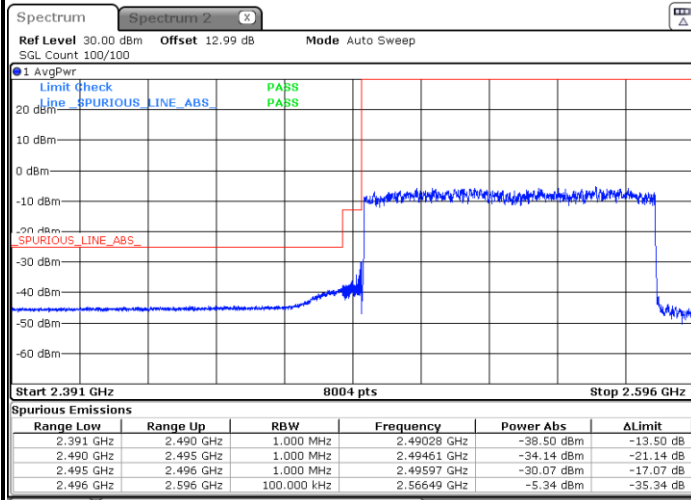


Highest Band Edge / 1RB24



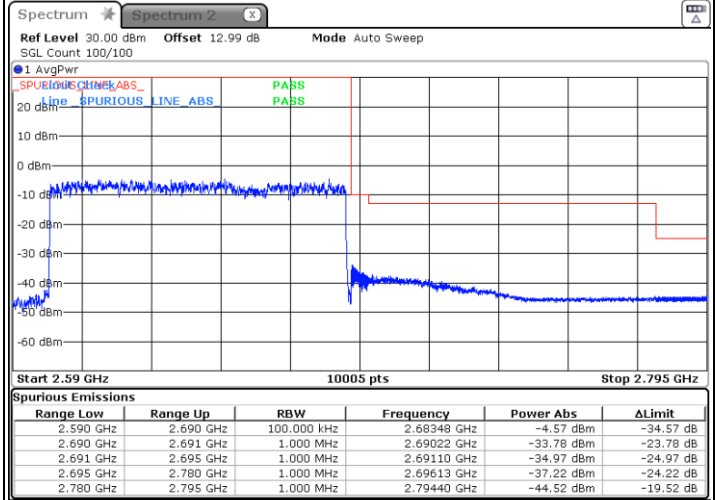


Lowest Band Edge / Full RB



Date: 16.FEB.2022 01:40:49

Highest Band Edge / Full RB

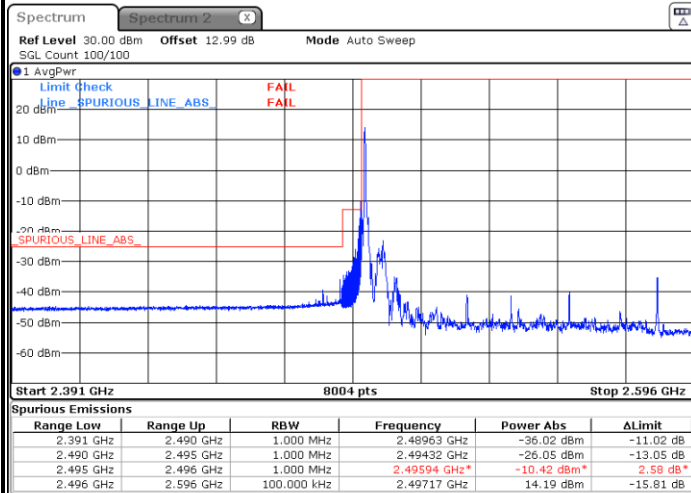


Date: 16.FEB.2022 02:01:16

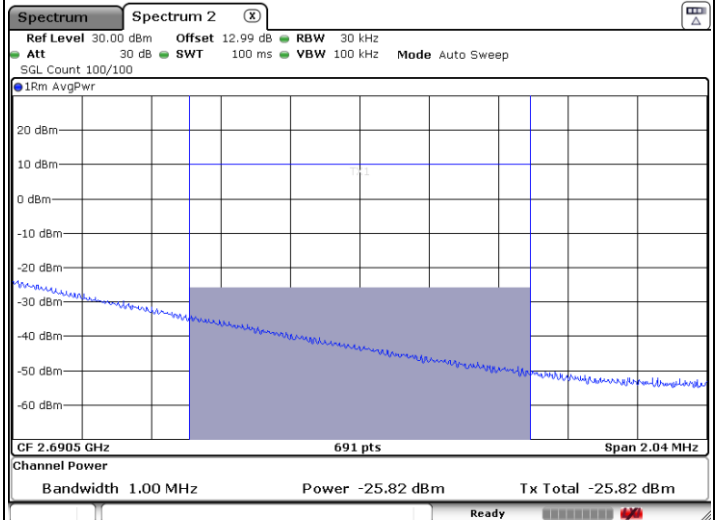
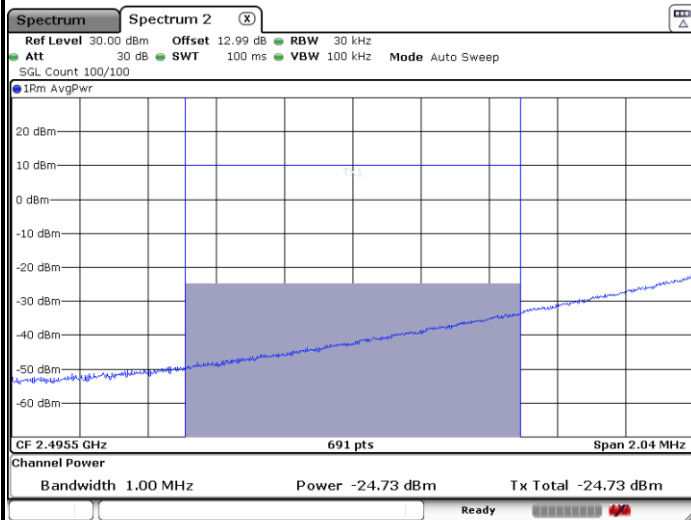
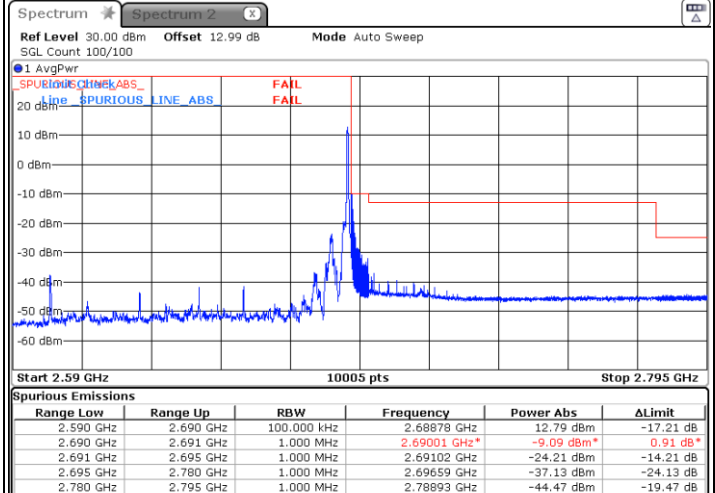


FR1 n41 / 90MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

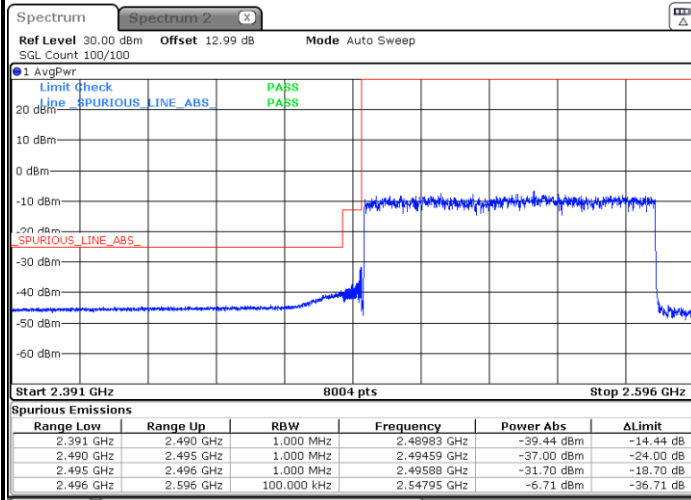


Highest Band Edge / 1RB24



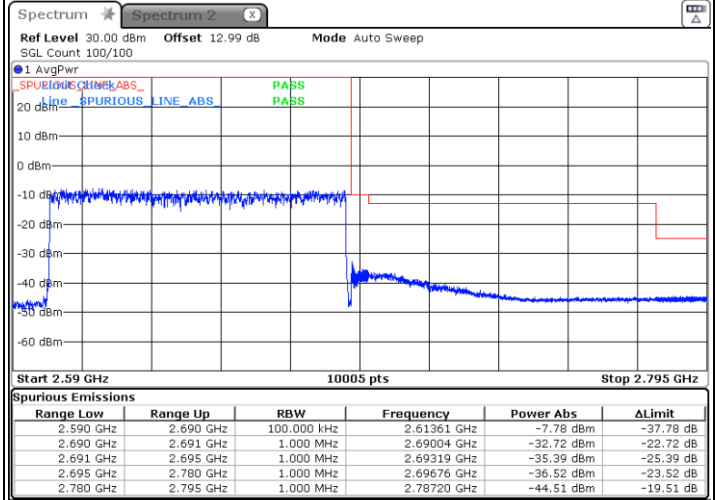


Lowest Band Edge / Full RB



Date: 16.FEB.2022 01:41:08

Highest Band Edge / Full RB



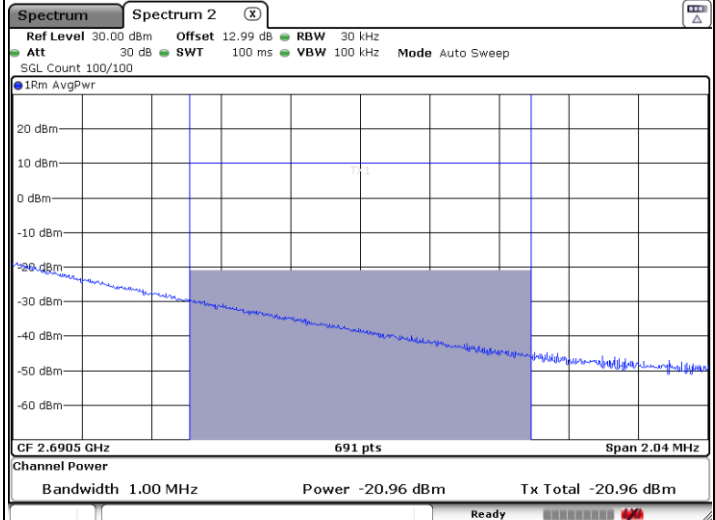
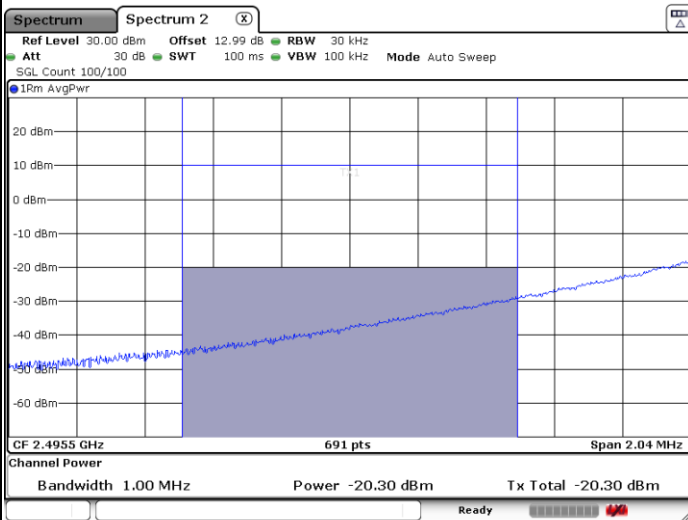
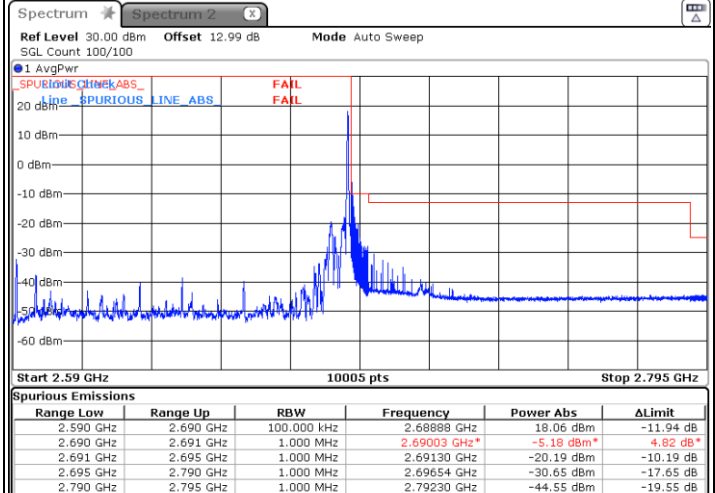
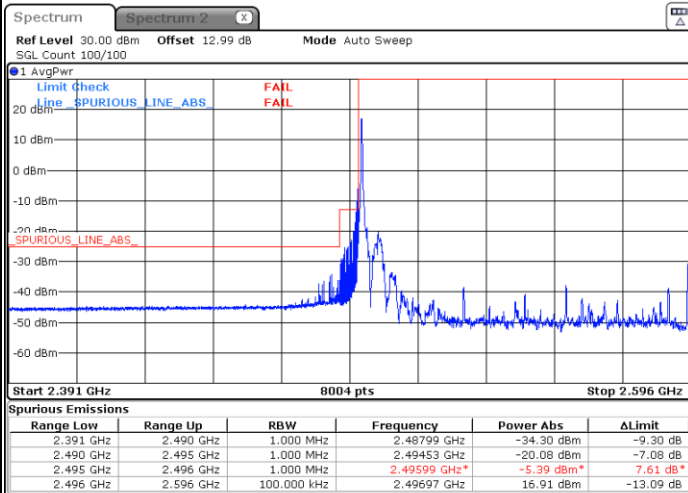
Date: 16.FEB.2022 02:02:43



FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

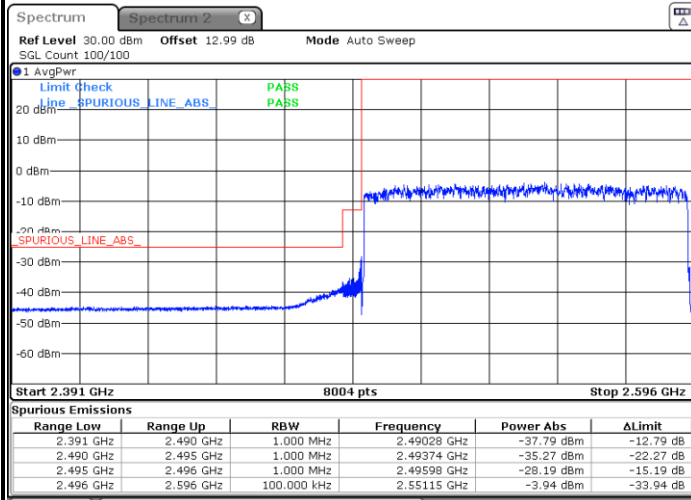
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



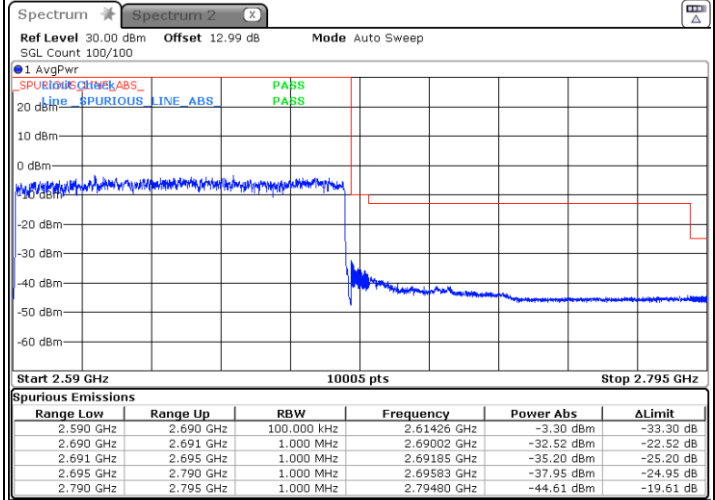


Lowest Band Edge / Full RB



Date: 16.FEB.2022 02:11:18

Highest Band Edge / Full RB



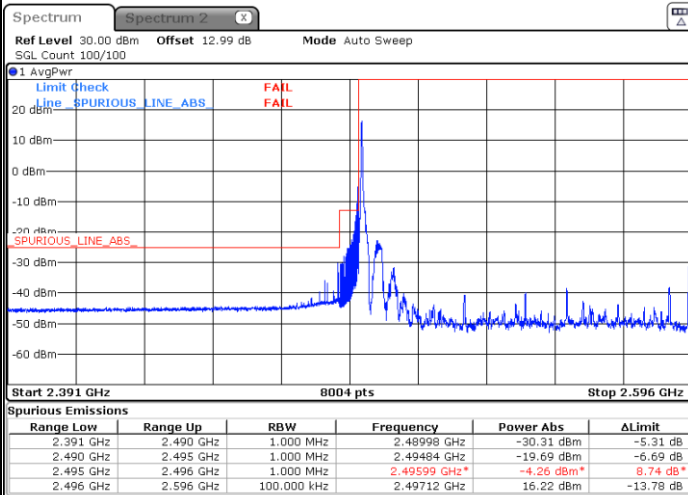
Date: 16.FEB.2022 02:30:44



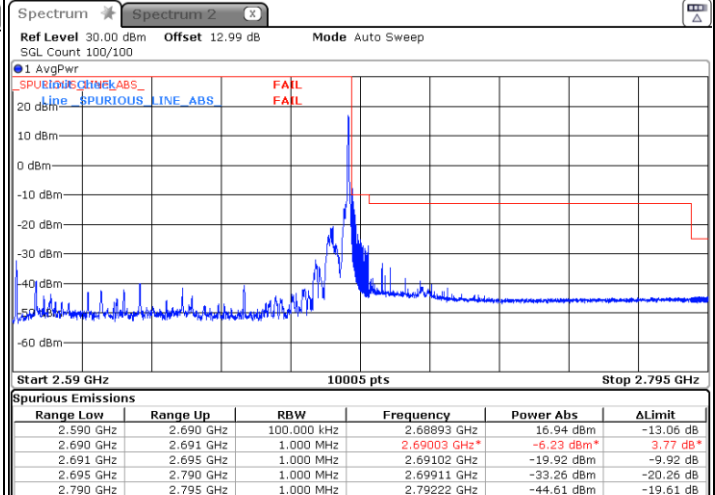
FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

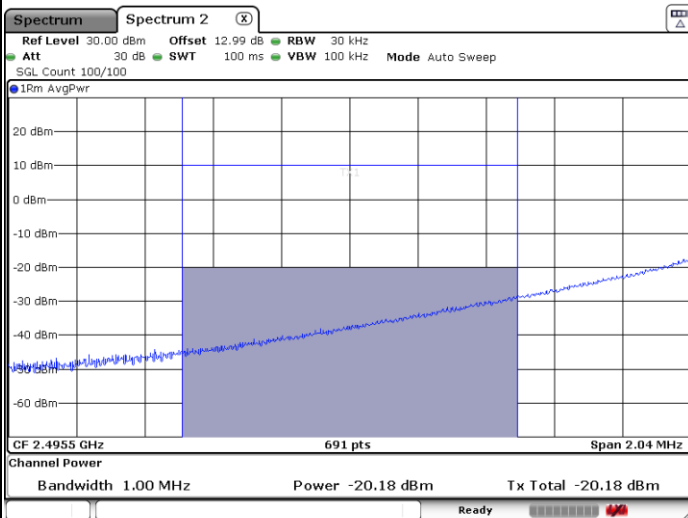
Highest Band Edge / 1RBmax



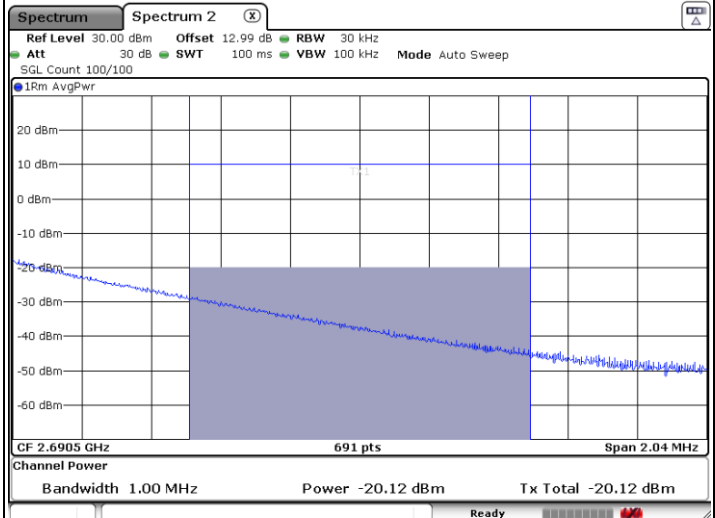
Date: 16.FEB.2022 02:21:46



Date: 16.FEB.2022 02:35:15



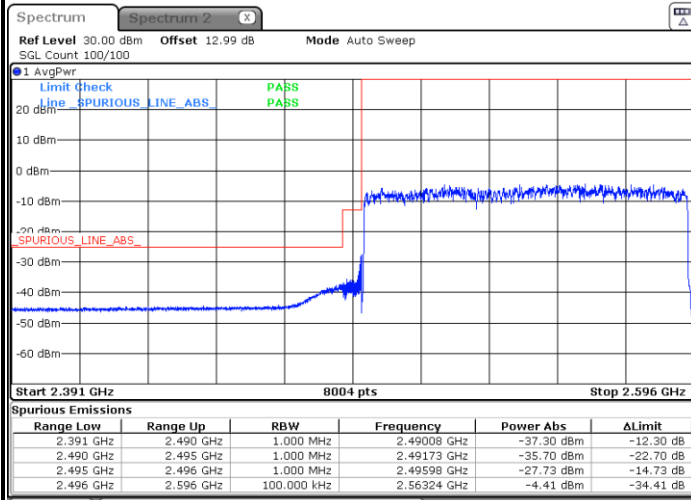
Date: 16.FEB.2022 02:23:48



Date: 16.FEB.2022 02:42:04

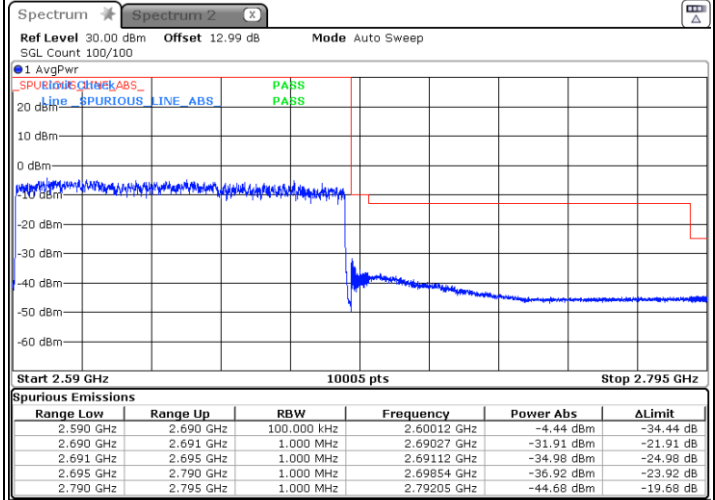


Lowest Band Edge / Full RB



Date: 16.FEB.2022 02:11:37

Highest Band Edge / Full RB



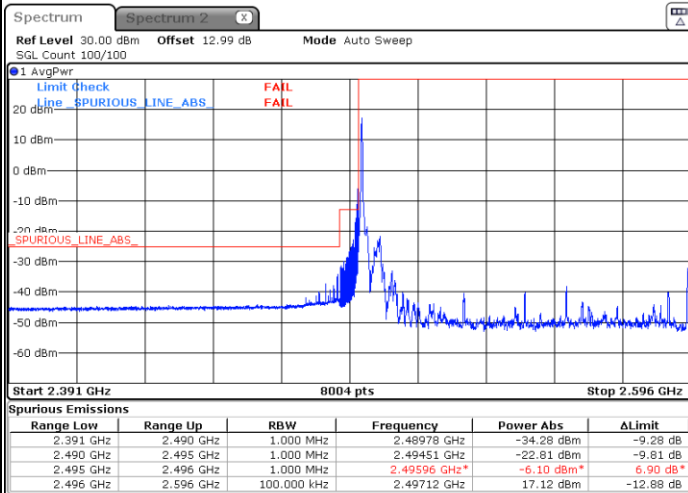
Date: 16.FEB.2022 02:31:21



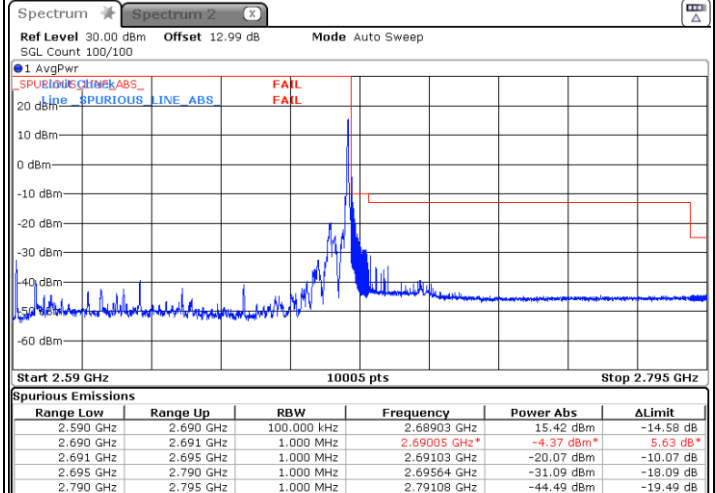
FR1 n41 / 100MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

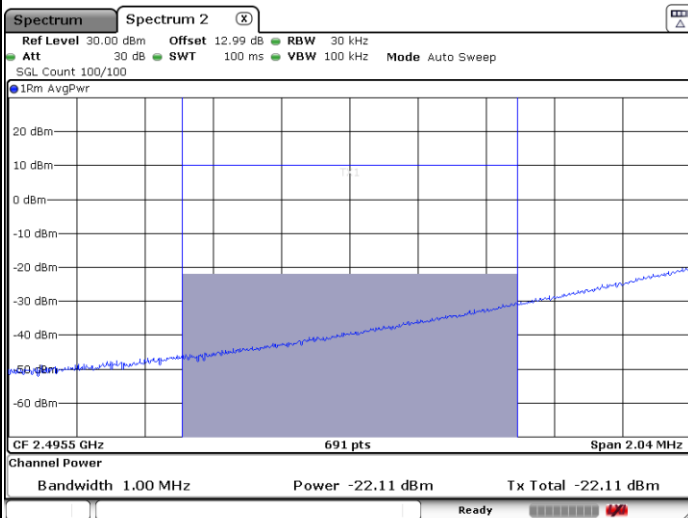
Highest Band Edge / 1RBmax



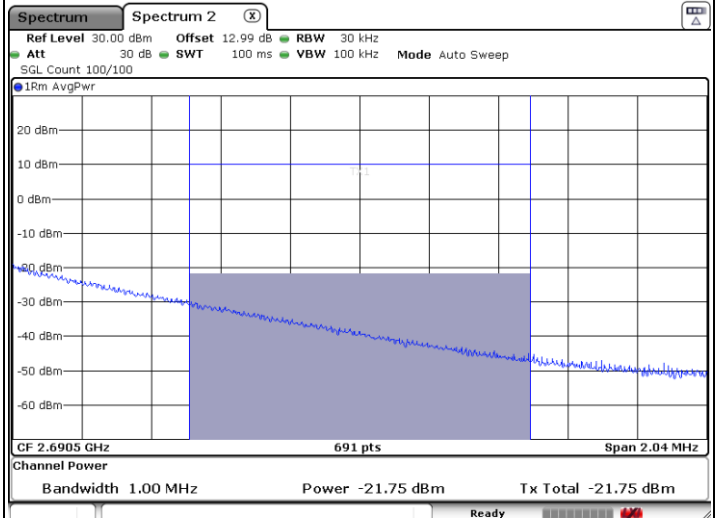
Date: 16.FEB.2022 02:20:51



Date: 16.FEB.2022 02:34:38



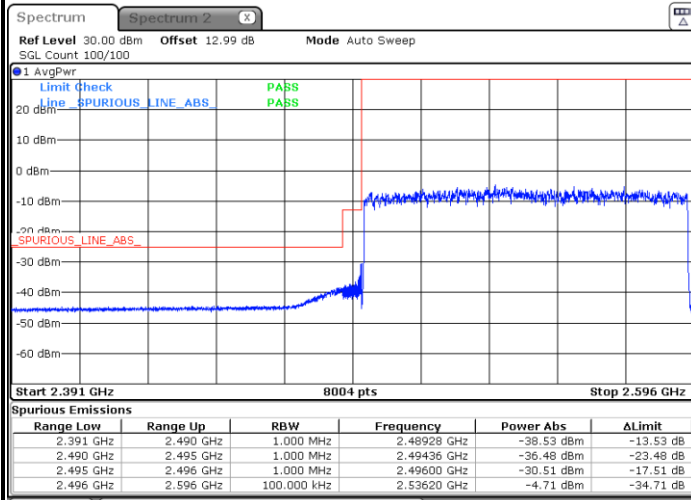
Date: 16.FEB.2022 02:24:18



Date: 16.FEB.2022 02:42:37

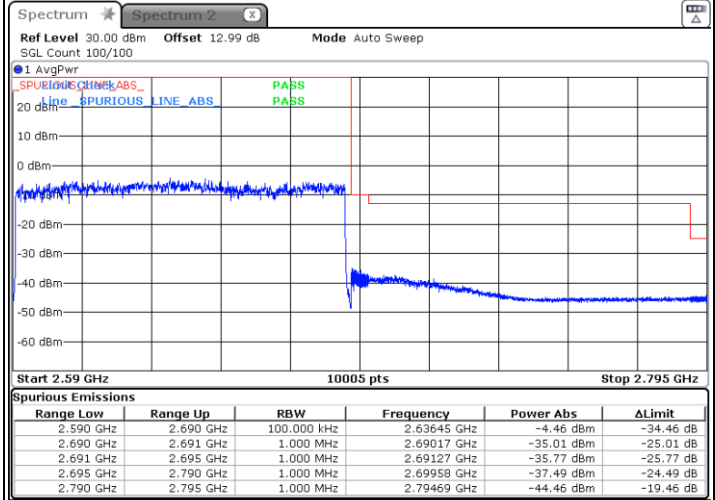


Lowest Band Edge / Full RB



Date: 16.FEB.2022 02:11:54

Highest Band Edge / Full RB

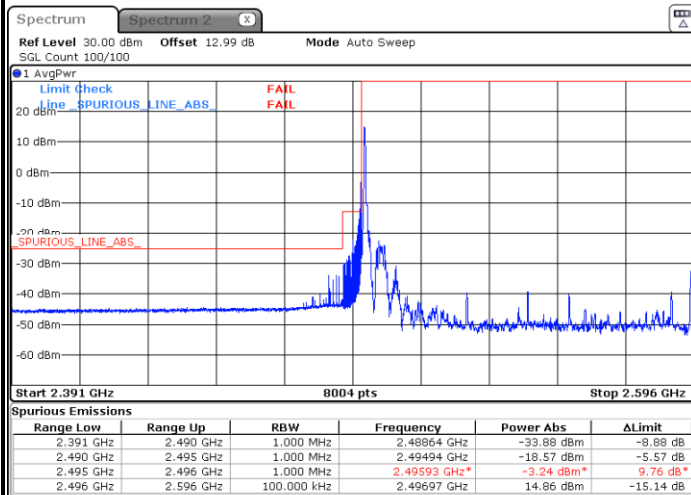


Date: 16.FEB.2022 02:32:11

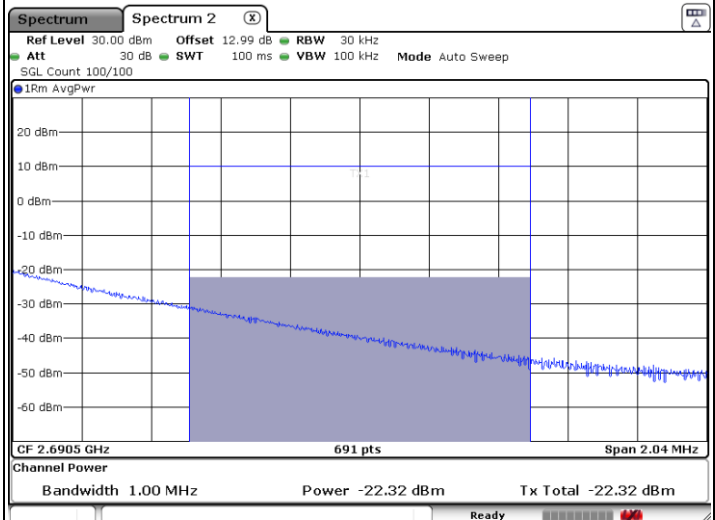
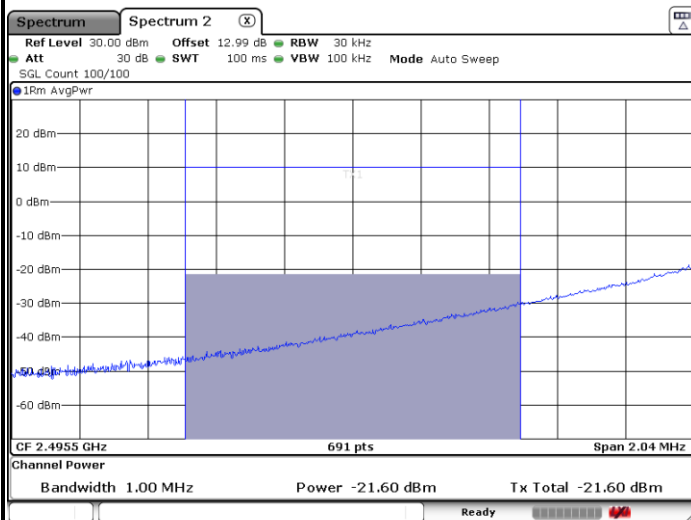
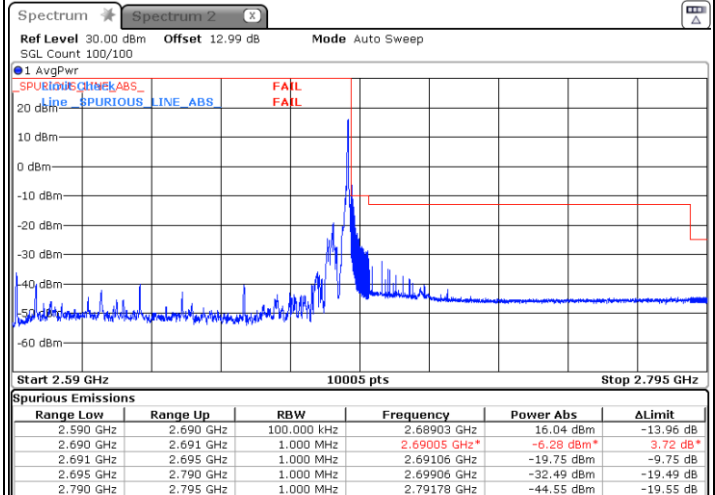


FR1 n41 / 100MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

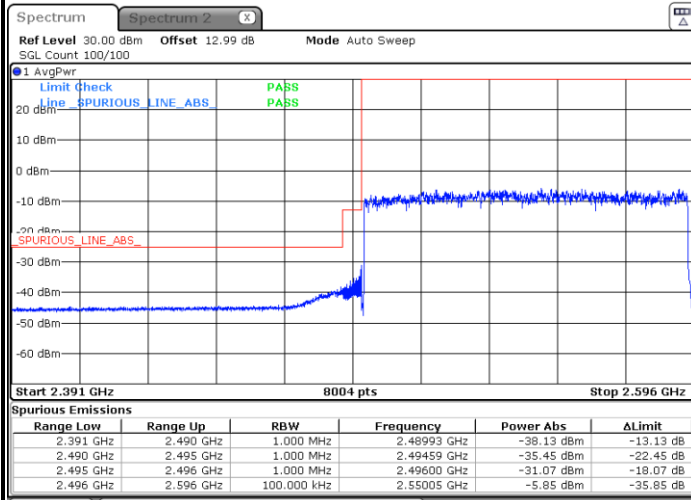


Highest Band Edge / 1RB24



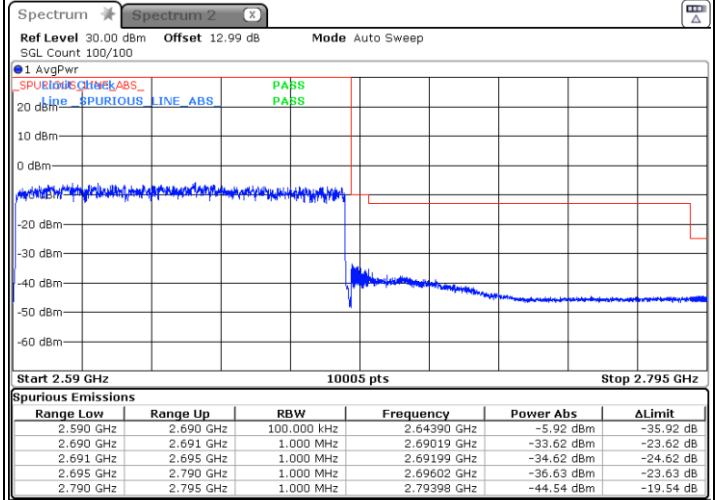


Lowest Band Edge / Full RB



Date: 16.FEB.2022 02:12:10

Highest Band Edge / Full RB

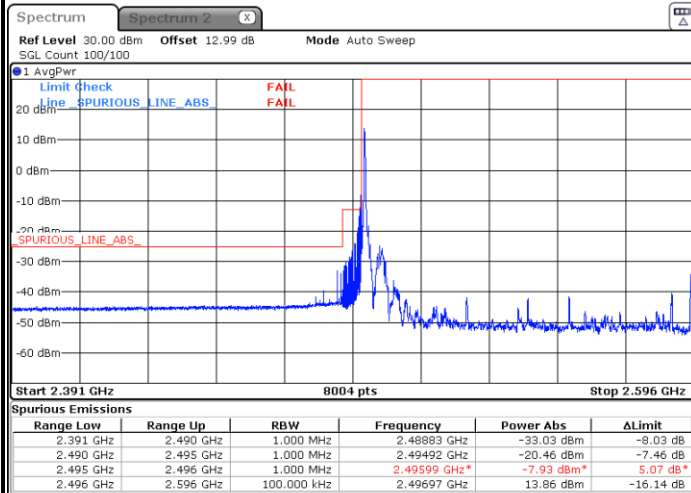


Date: 16.FEB.2022 02:32:33

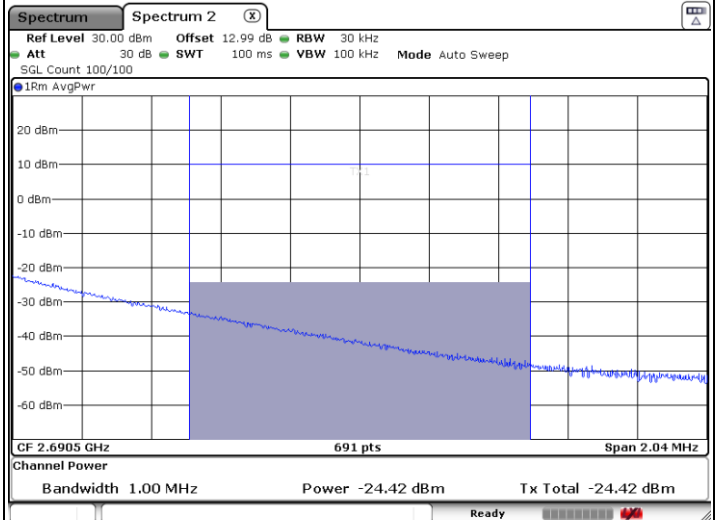
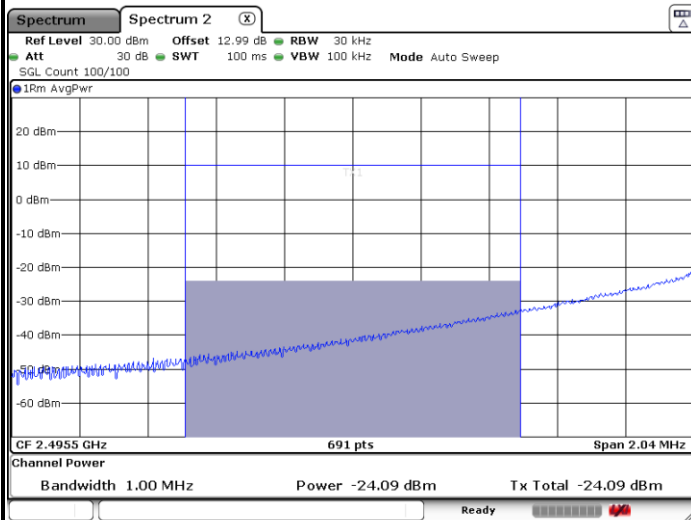
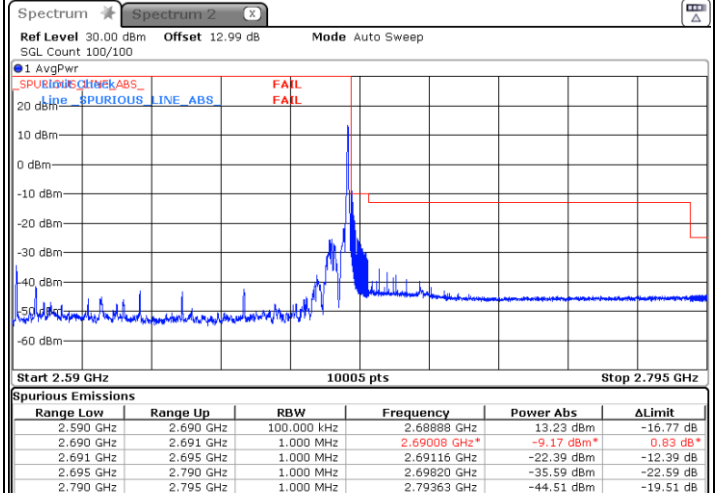


FR1 n41 / 100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

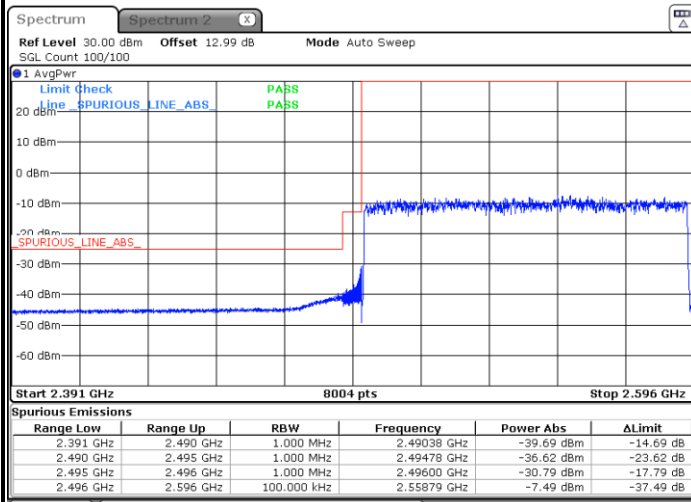


Highest Band Edge / 1RB24



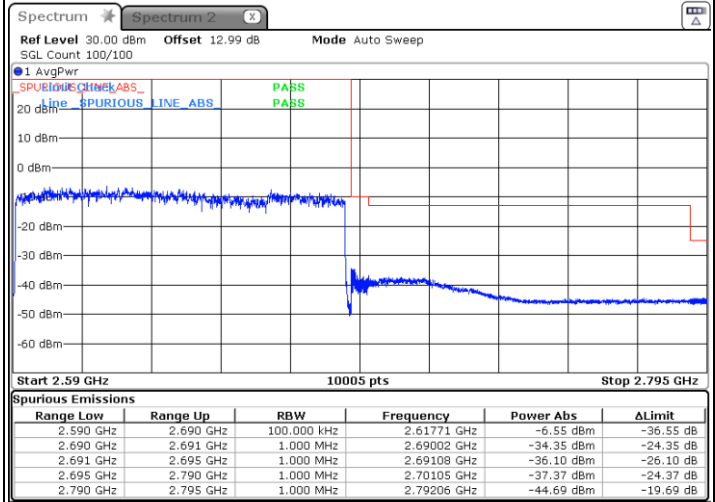


Lowest Band Edge / Full RB



Date: 16.FEB.2022 02:13:16

Highest Band Edge / Full RB



Date: 16.FEB.2022 02:32:58

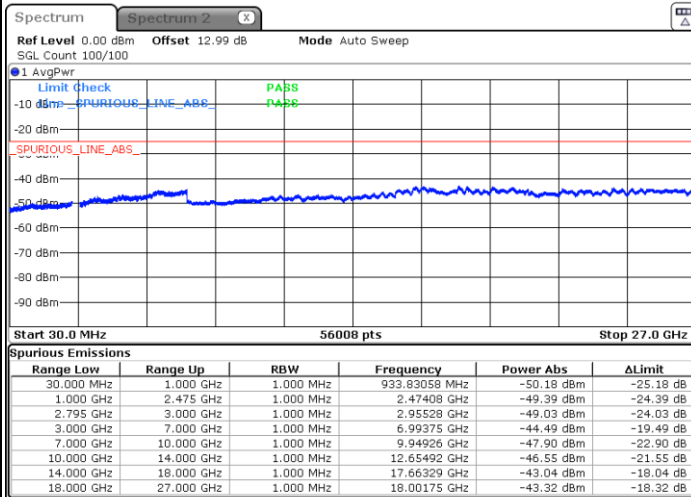


Conducted Spurious Emission

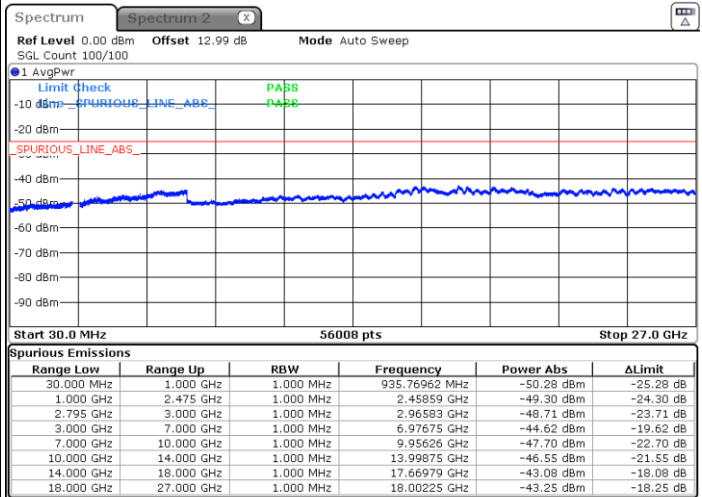
FR1 n41 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

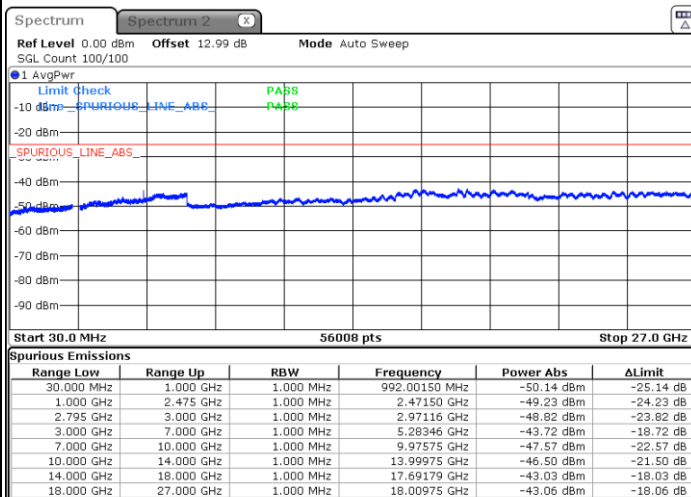


Date: 15.FEB.2022 21:25:29



Date: 15.FEB.2022 21:32:24

Highest Channel / 1RB1

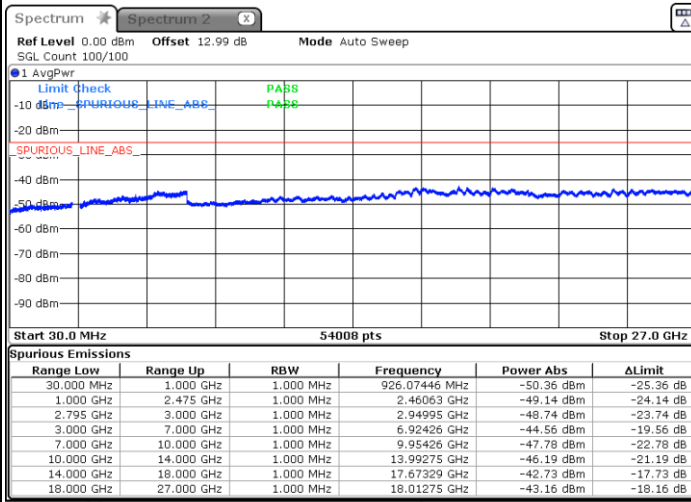


Date: 15.FEB.2022 21:33:32



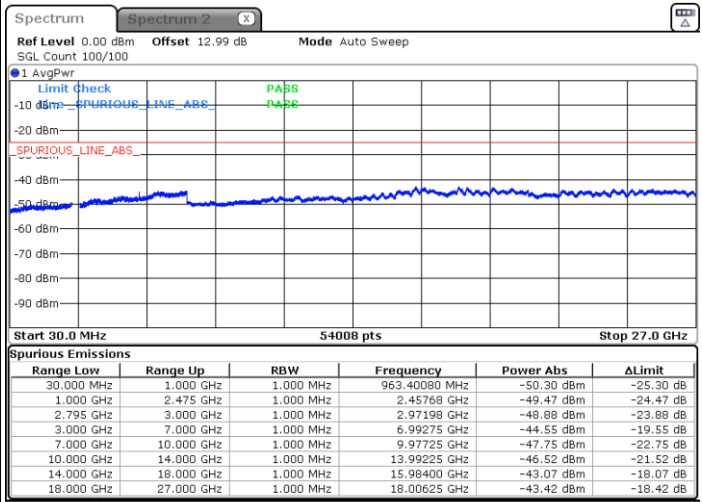
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



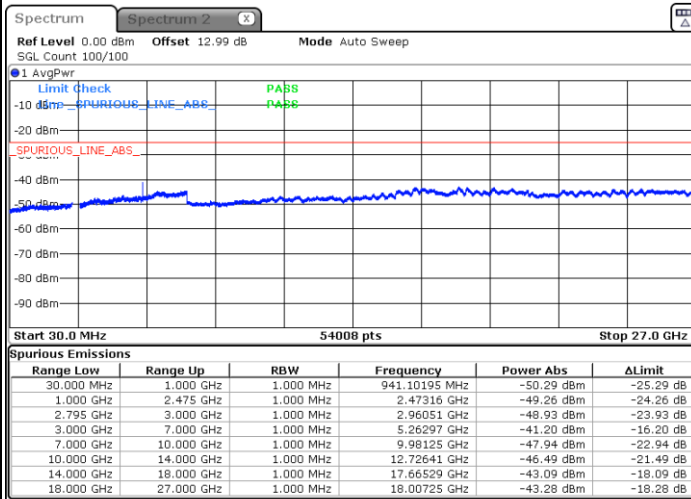
Date: 15.FEB.2022 22:01:02

Middle Channel / 1RB1



Date: 15.FEB.2022 22:02:20

Highest Channel / 1RB1



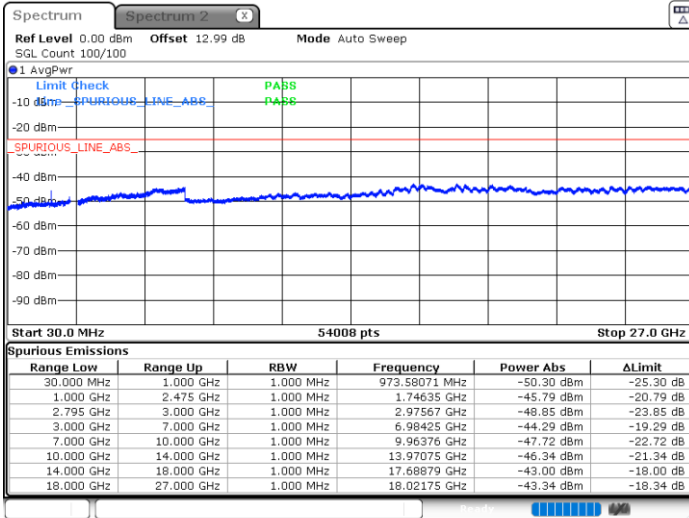
Date: 15.FEB.2022 22:04:30



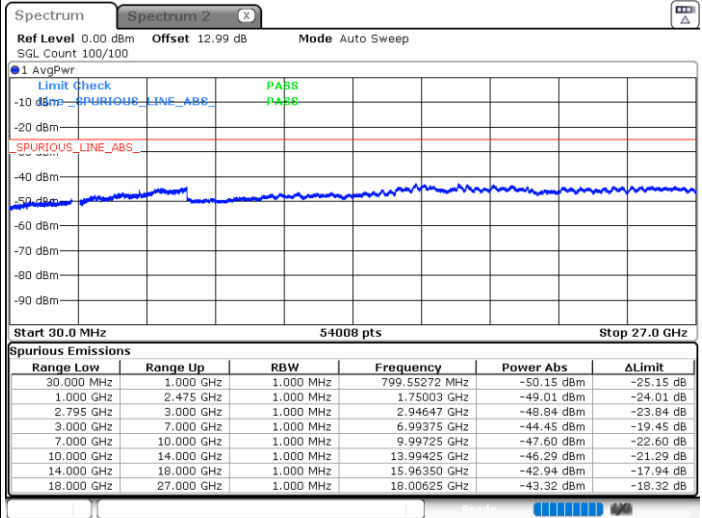
FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

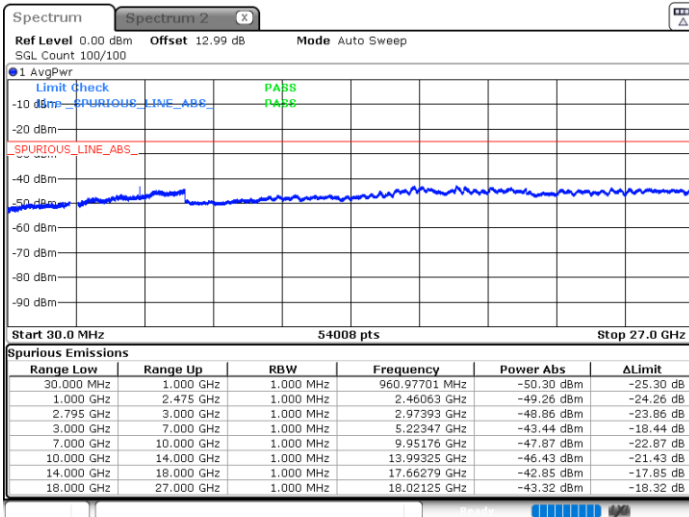


Date: 16.FEB.2022 01:19:42



Date: 16.FEB.2022 01:21:03

Highest Channel / 1RB1

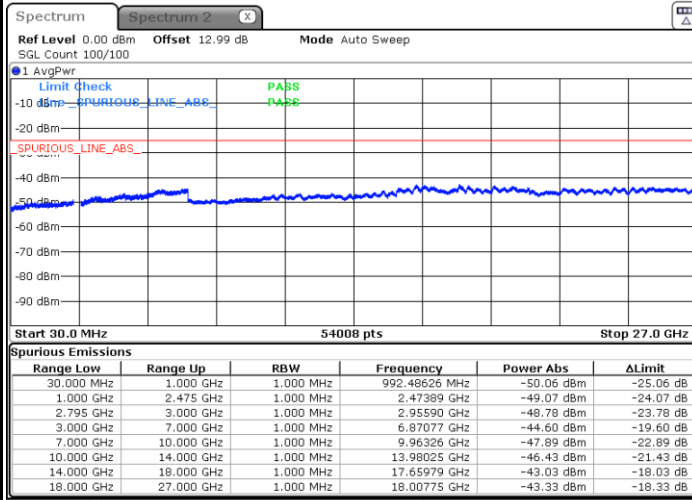


Date: 16.FEB.2022 01:22:29



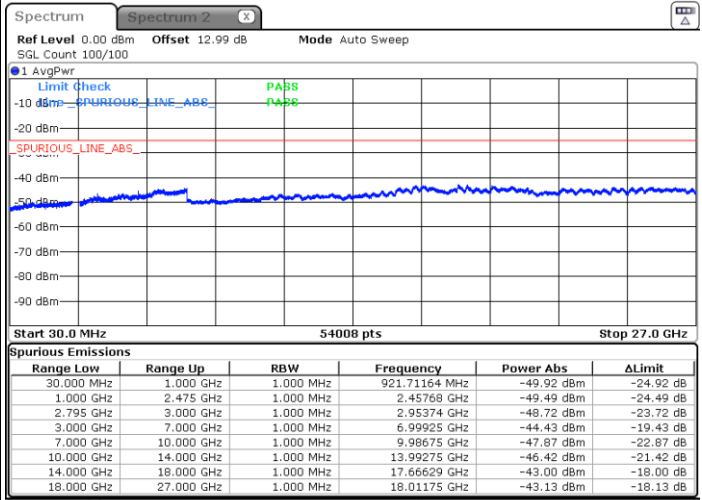
FR1 n41 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



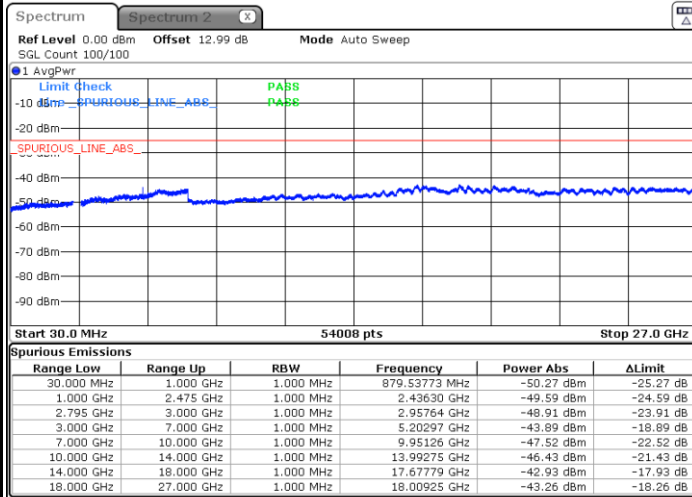
Date: 16.FEB.2022 01:48:11

Middle Channel / 1RB1



Date: 16.FEB.2022 01:54:41

Highest Channel / 1RB1

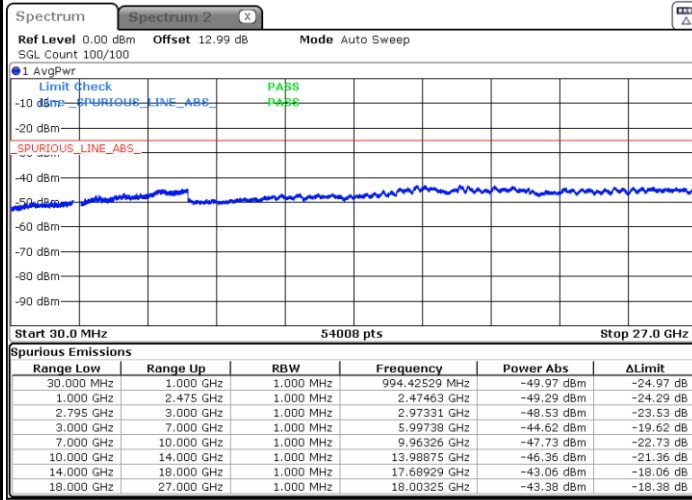


Date: 16.FEB.2022 01:56:42



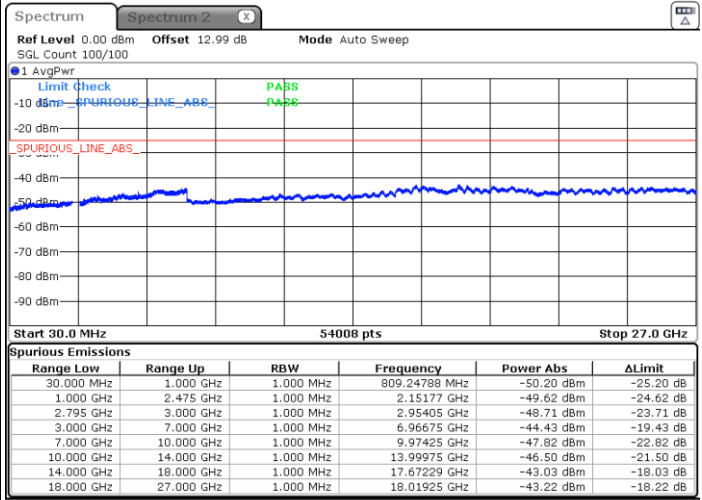
FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



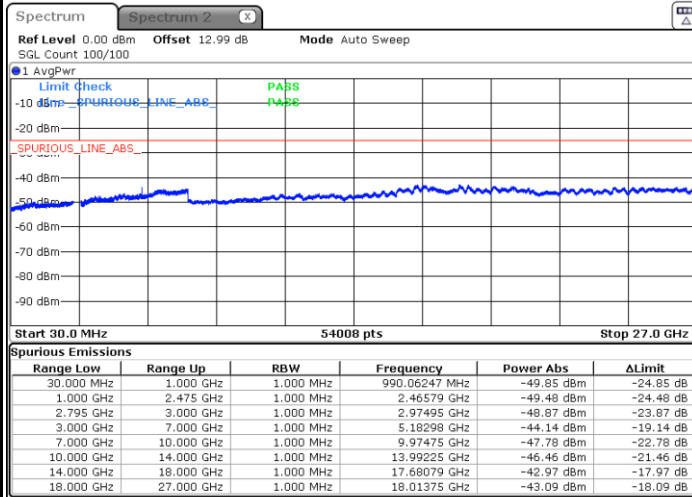
Date: 16.FEB.2022 02:26:24

Middle Channel / 1RB1



Date: 16.FEB.2022 02:27:30

Highest Channel / 1RB1



Date: 16.FEB.2022 02:29:34

Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 50MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0031	

Note:

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



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst antenna mode to test.

n5 SA / NR 20MHz / QPSK / ANT4(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-64.83	-13	-51.83	-71.80	1.58	10.70	H
	2482	-60.27	-13	-47.27	-68.52	2.10	12.50	H
	3312	-60.50	-13	-47.50	-69.39	2.86	13.90	H
	1656	-63.89	-13	-50.89	-70.86	1.58	10.70	V
	2482	-58.29	-13	-45.29	-66.54	2.10	12.50	V
	3312	-60.31	-13	-47.31	-69.20	2.86	13.90	V

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

EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK / ANT2(LTE) & ANT4(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-65.02	-13	-52.02	-71.99	1.58	10.70	H
	2480	-60.48	-13	-47.48	-68.73	2.10	12.50	H
	3312	-59.58	-13	-46.58	-68.47	2.86	13.90	H
	1656	-63.83	-13	-50.83	-70.80	1.58	10.70	V
	2480	-58.49	-13	-45.49	-66.74	2.10	12.50	V
	3312	-59.79	-13	-46.79	-68.68	2.86	13.90	V

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

n7 SA / NR 20MHz / QPSK / ANT1(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-54.73	-25	-29.73	-64.94	3.03	13.24	H
	7576	-47.13	-25	-22.13	-56.58	3.56	13.01	H
	10100	-63.08	-25	-38.08	-72.60	3.92	13.44	H
	12630	-54.21	-25	-29.21	-64.13	4.44	14.36	H
	5052	-53.46	-25	-28.46	-63.67	3.03	13.24	V
	7576	-48.32	-25	-23.32	-57.77	3.56	13.01	V
	10100	-62.87	-25	-37.87	-72.39	3.92	13.44	V
	12630	-58.37	-25	-33.37	-68.29	4.44	14.36	V

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

EN-DC_5A_n7A / LTE 10MHz + NR 20MHz / QPSK / ANT1(LTE) & ANT2(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5050	-61.32	-25	-36.32	-71.53	3.03	13.24	H
	7584	-63.73	-25	-38.73	-73.18	3.56	13.01	H
	10104	-62.54	-25	-37.54	-72.06	3.92	13.44	H
	12624	-56.75	-25	-31.75	-66.67	4.44	14.36	H
	5050	-61.38	-25	-36.38	-71.59	3.03	13.24	V
	7584	-63.85	-25	-38.85	-73.30	3.56	13.01	V
	10104	-61.57	-25	-36.57	-71.09	3.92	13.44	V
	12624	-58.71	-25	-33.71	-68.63	4.44	14.36	V

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

EN-DC_7A_n7A / LTE 20MHz + NR 20MHz / QPSK / ANT2(LTE) & ANT1(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5036	-63.28	-25	-38.28	-73.49	3.03	13.24	H
	7556	-62.88	-25	-37.88	-72.33	3.56	13.01	H
	10062	-62.69	-25	-37.69	-72.21	3.92	13.44	H
	5036	-62.85	-25	-37.85	-73.06	3.03	13.24	V
	7556	-63.88	-25	-38.88	-73.33	3.56	13.01	V
	10062	-62.60	-25	-37.60	-72.12	3.92	13.44	V

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

n41 SA / NR 100MHz / QPSK / ANT1(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5092	-59.66	-25	-34.66	-69.87	3.03	13.24	H
	7640	-53.71	-25	-28.71	-63.16	3.56	13.01	H
	10188	-61.70	-25	-36.70	-71.22	3.92	13.44	H
	12736	-48.05	-25	-23.05	-57.97	4.44	14.36	H
	5092	-60.68	-25	-35.68	-70.89	3.03	13.24	V
	7640	-56.76	-25	-31.76	-66.21	3.56	13.01	V
	10188	-61.92	-25	-36.92	-71.44	3.92	13.44	V
	12736	-53.10	-25	-28.10	-63.02	4.44	14.36	V

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

EN-DC 41A_n41A / LTE 10MHz + NR 100MHz / QPSK / ANT2(LTE) & ANT1(NR)								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5092	-62.85	-25	-37.85	-73.06	3.03	13.24	H
	7640	-59.81	-25	-34.81	-69.26	3.56	13.01	H
	10188	-62.50	-25	-37.50	-72.02	3.92	13.44	H
	5092	-62.17	-25	-37.17	-72.38	3.03	13.24	V
	7640	-60.77	-25	-35.77	-70.22	3.56	13.01	V
	10188	-61.48	-25	-36.48	-71.00	3.92	13.44	V

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