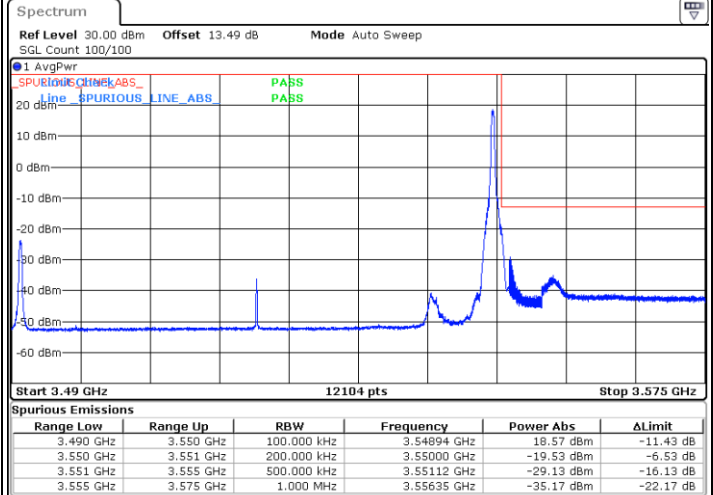
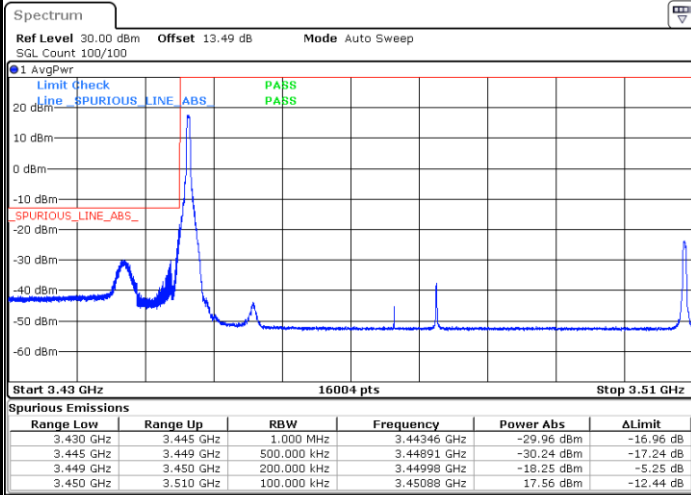




FR1 n77 / 60MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

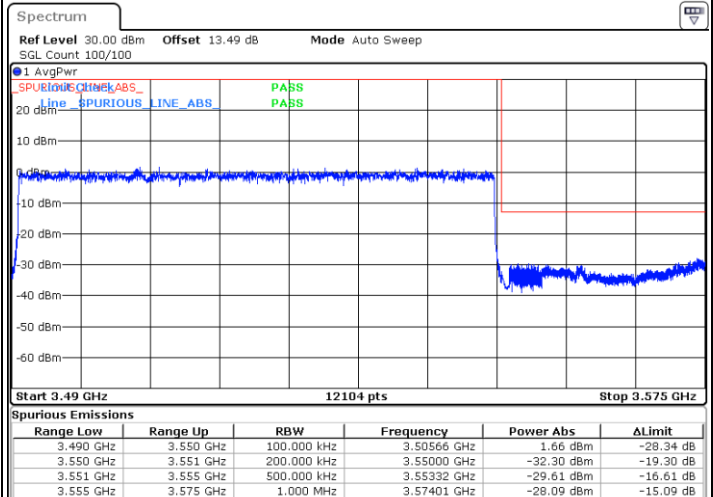
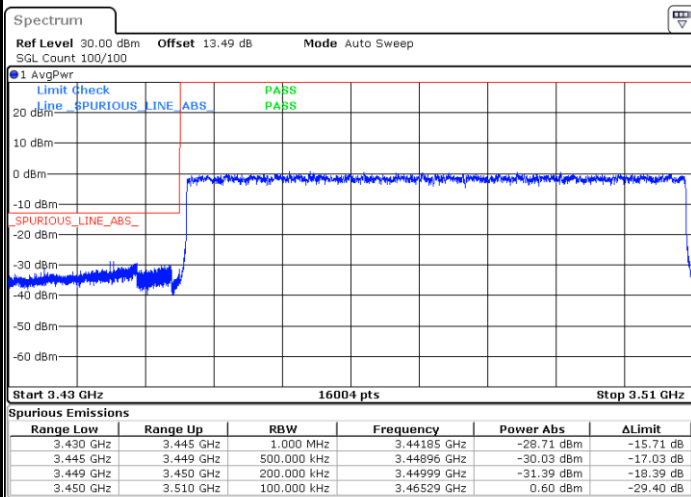


Date: 15 JUN.2022 03:37:04

Date: 15 JUN.2022 03:52:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15 JUN.2022 03:22:24

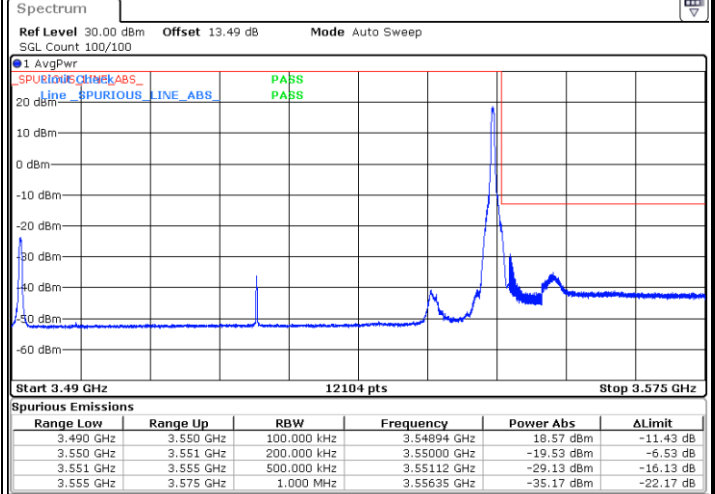
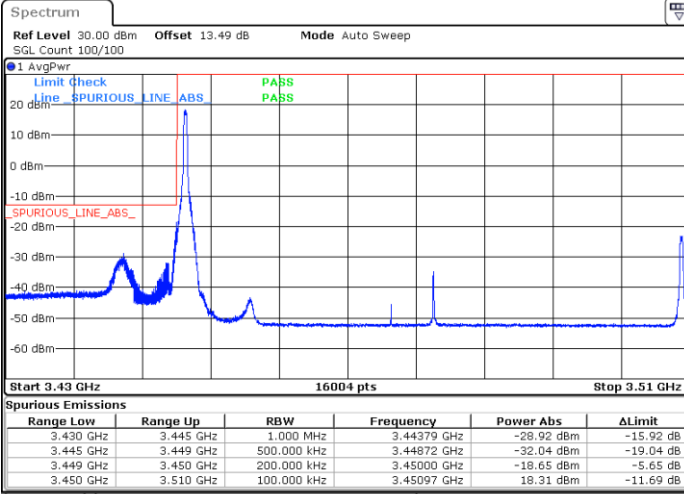
Date: 15 JUN.2022 03:53:32



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

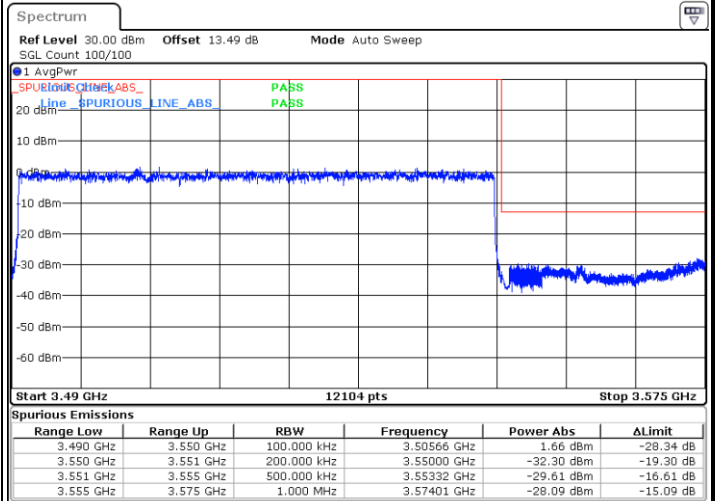
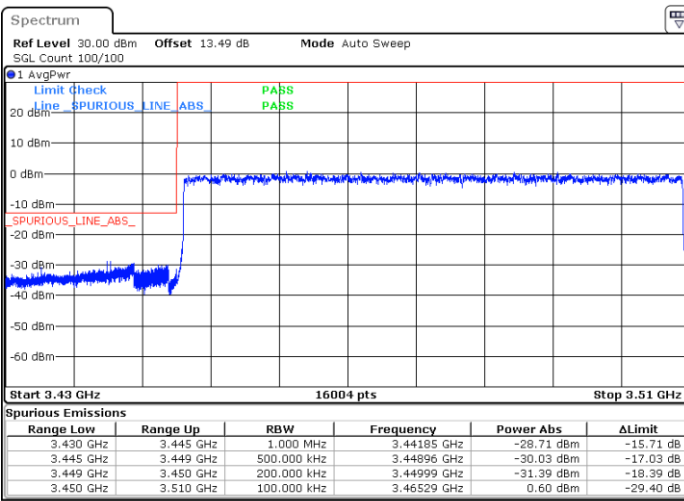


Date: 15 JUN.2022 03:35:39

Date: 15 JUN.2022 03:52:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15 JUN.2022 03:22:24

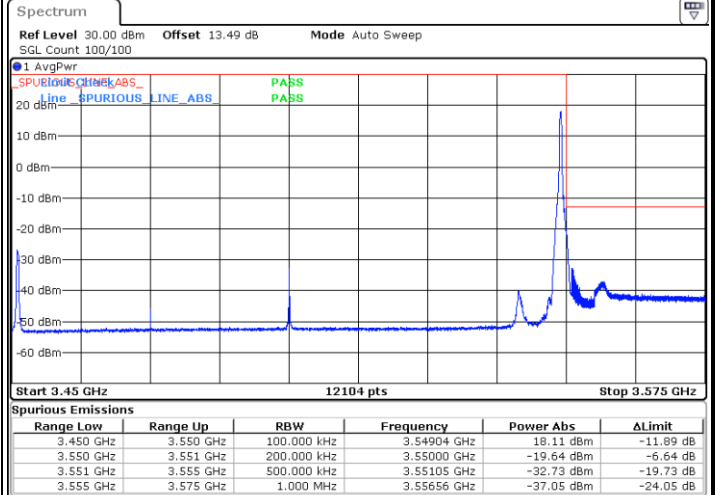
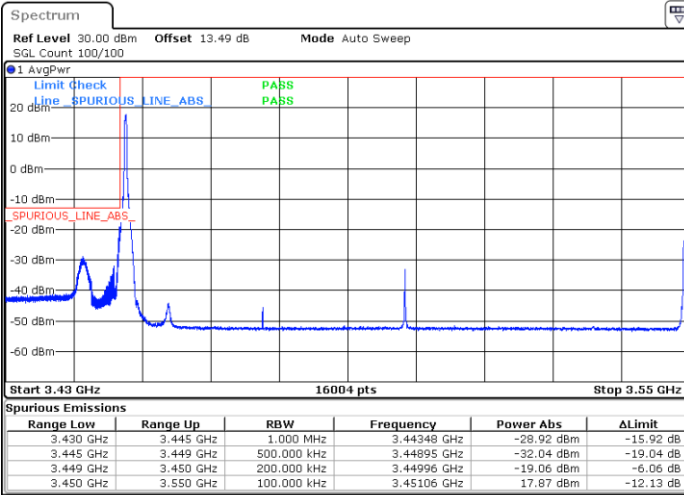
Date: 15 JUN.2022 03:53:32



FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

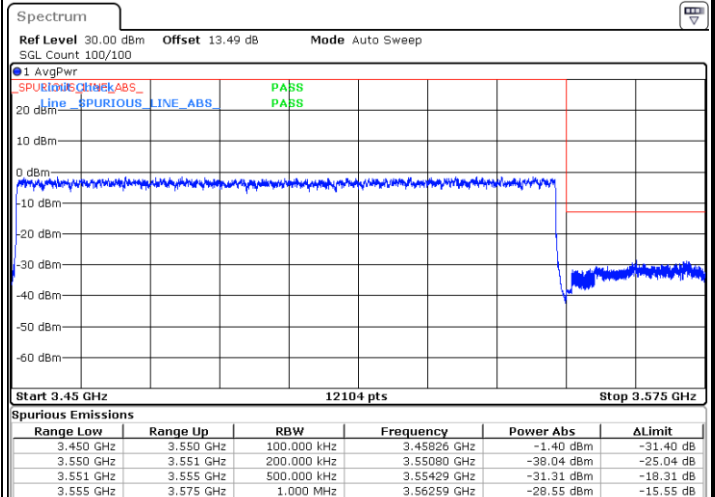
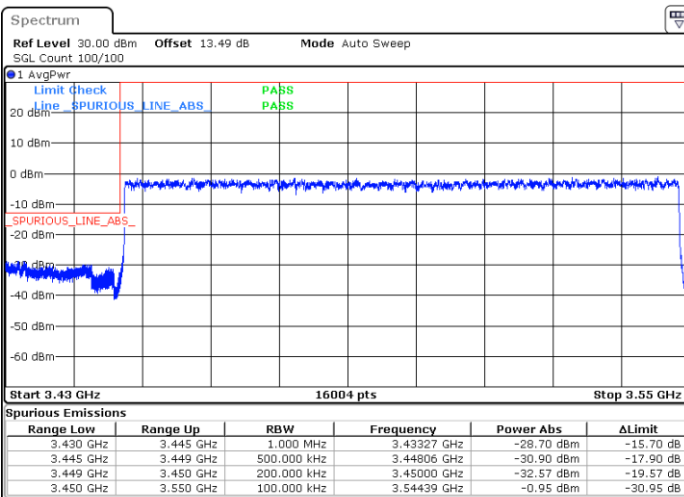


Date: 15 JUN 2022 02:16:34

Date: 15 JUN 2022 02:38:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15 JUN 2022 02:22:07

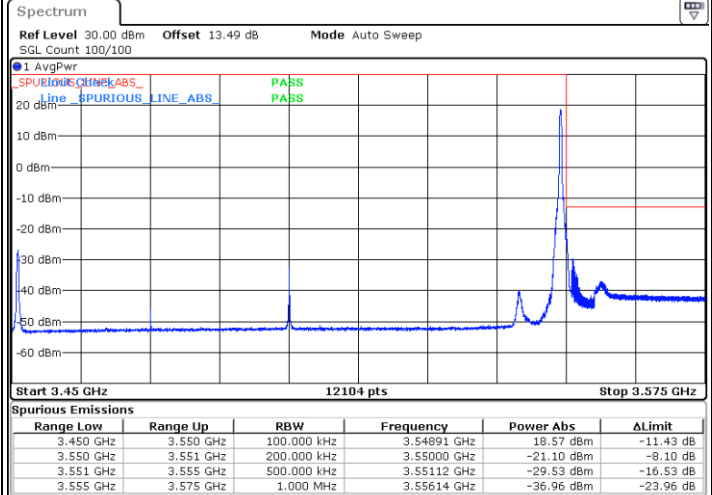
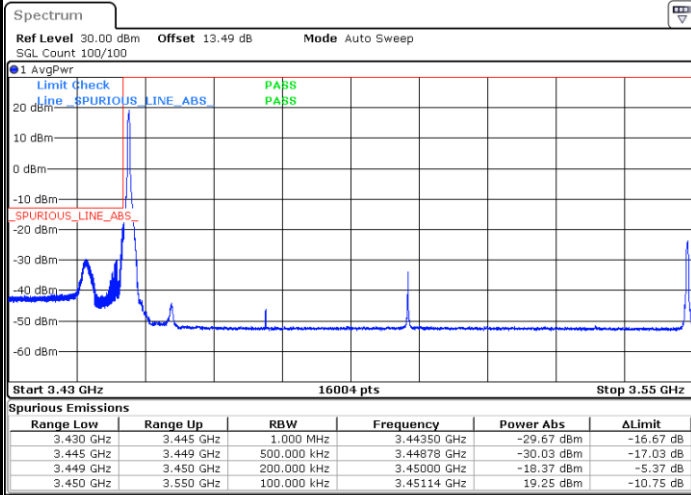
Date: 15 JUN 2022 02:36:38



FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

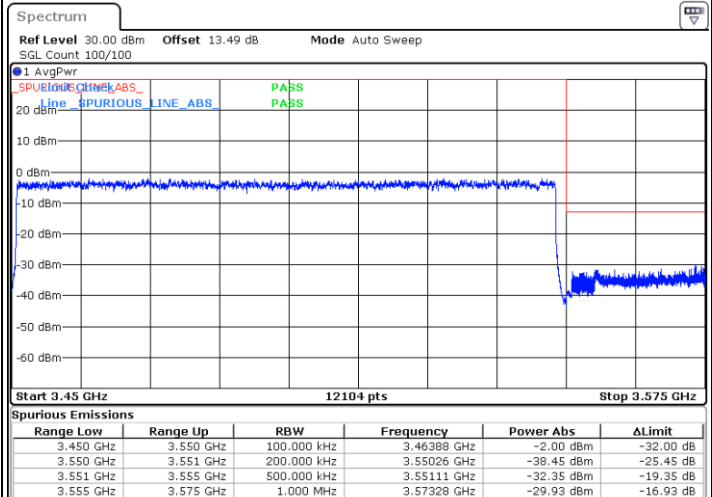
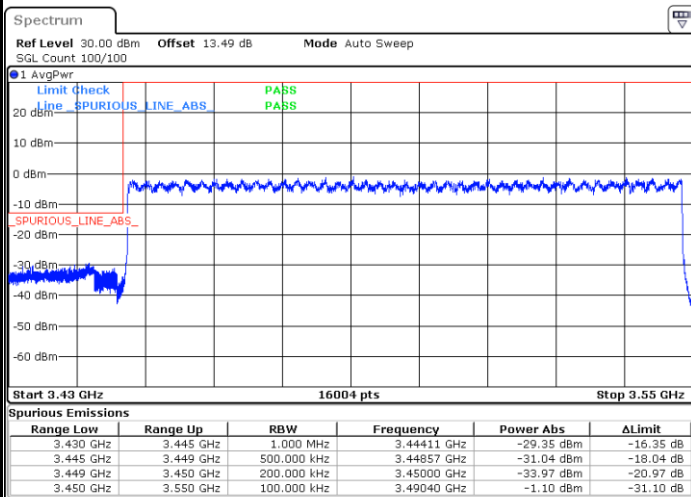


Date: 15 JUN.2022 02:18:20

Date: 15 JUN.2022 02:39:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

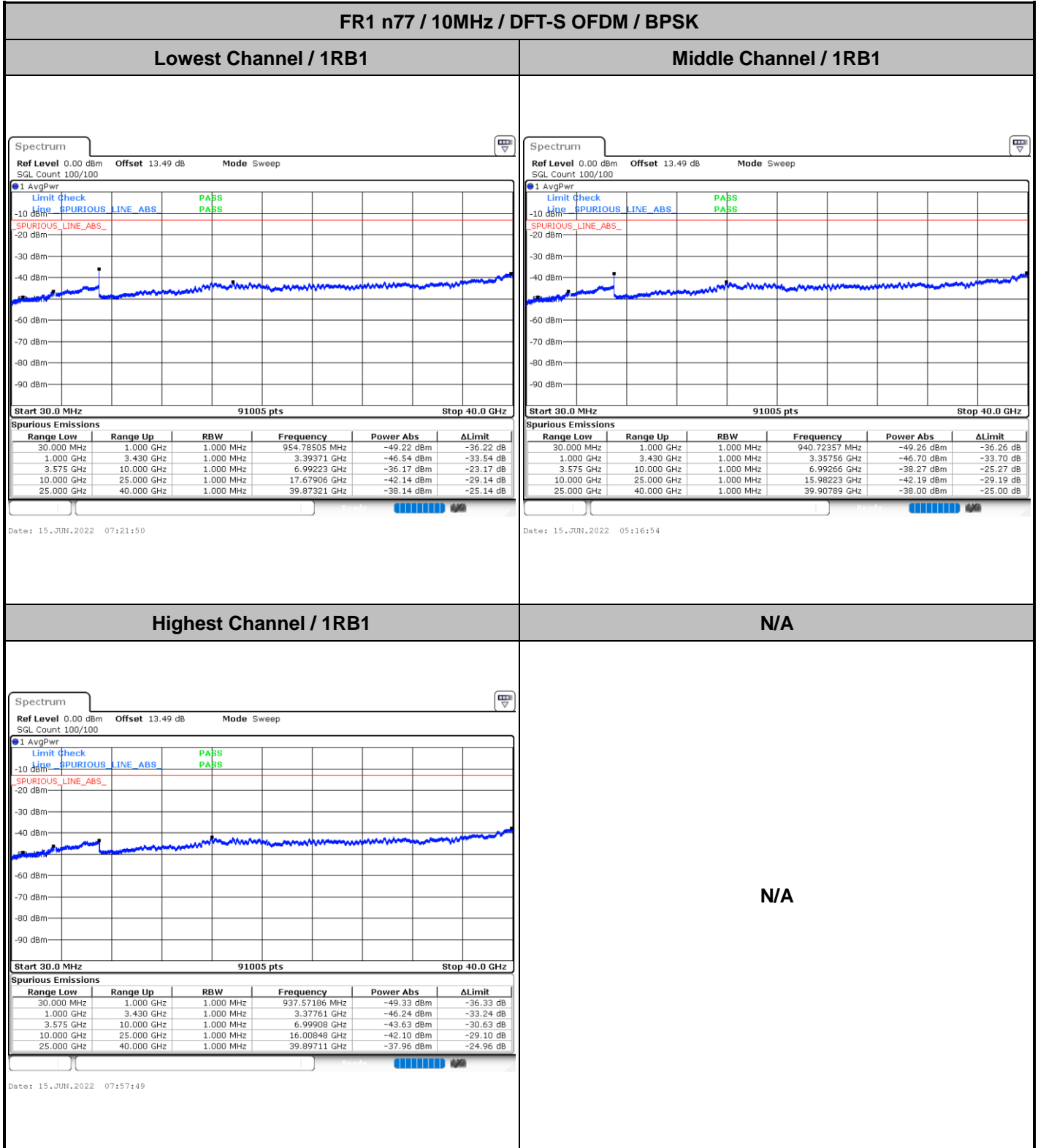


Date: 15 JUN.2022 02:19:21

Date: 15 JUN.2022 02:35:16



# Conducted Spurious Emission

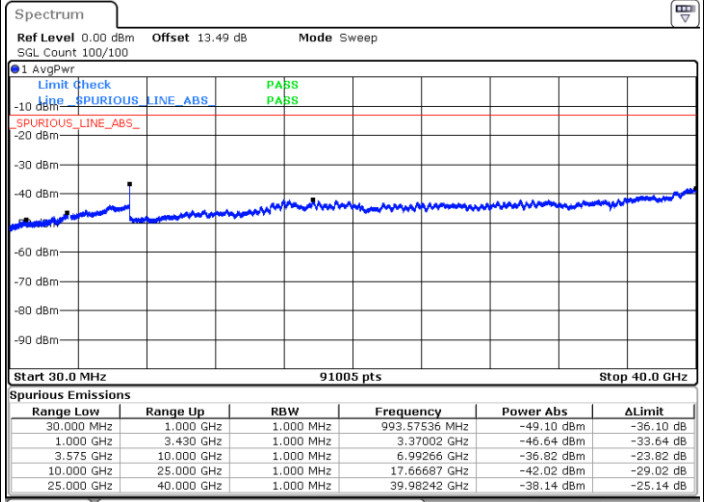
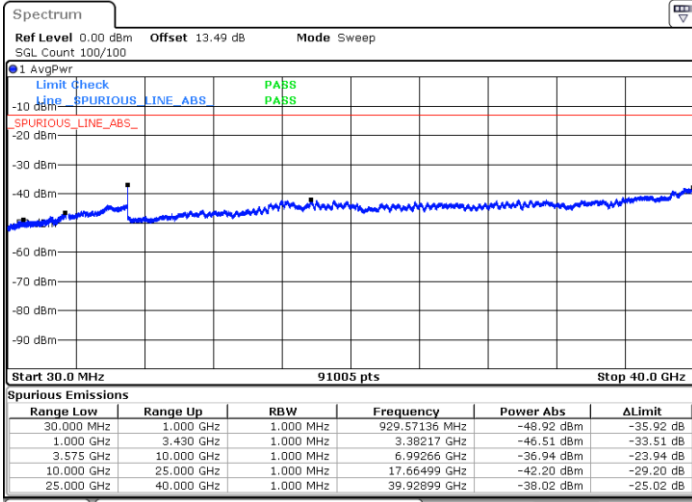




FR1 n77 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

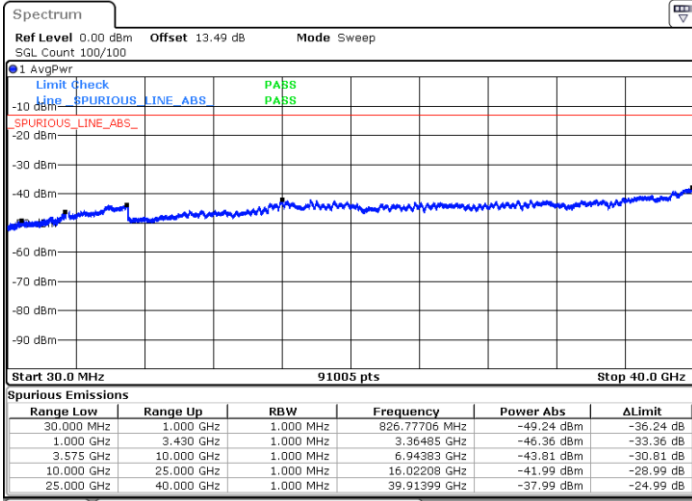


Date: 15 JUN.2022 05:13:05

Date: 15 JUN.2022 05:14:51

Highest Channel / 1RB1

N/A



N/A

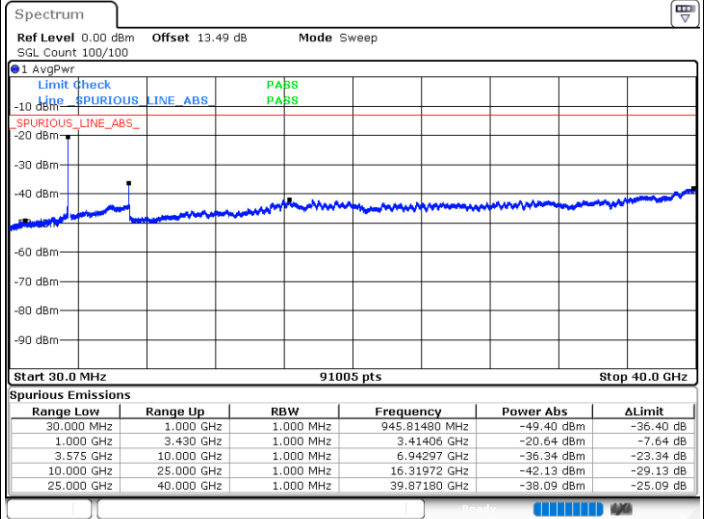
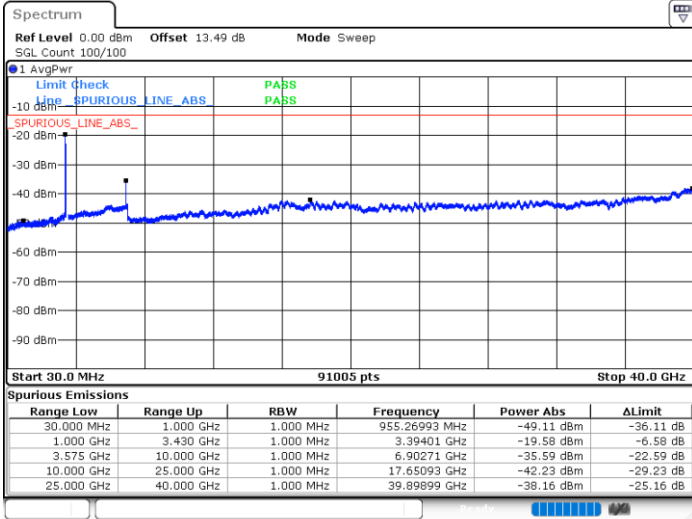
Date: 15 JUN.2022 08:00:50



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

Lowest Channel / 1RB1

Middle Channel / 1RB1

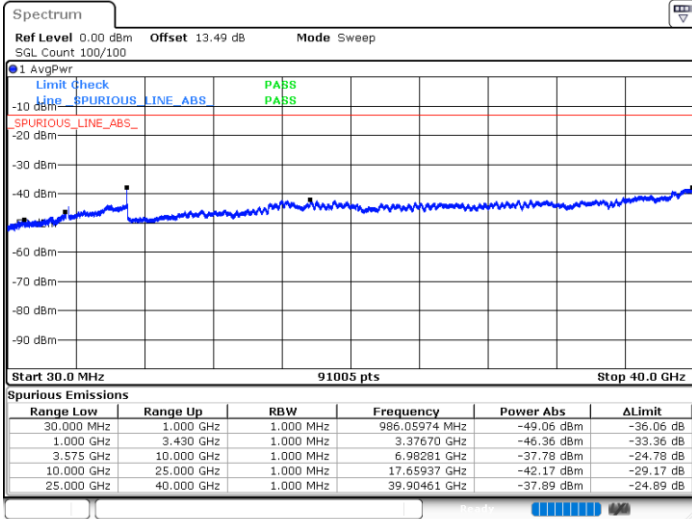


Date: 15 JUN.2022 03:39:02

Date: 15 JUN.2022 03:45:05

Highest Channel / 1RB1

N/A



Date: 15 JUN.2022 03:46:36

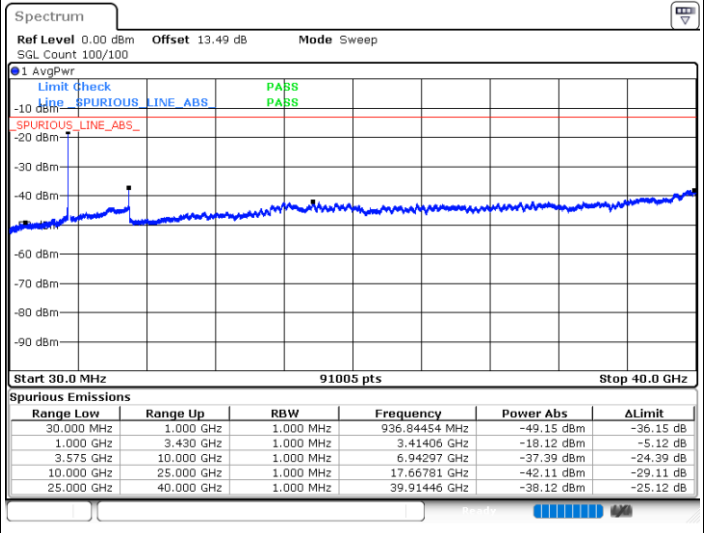
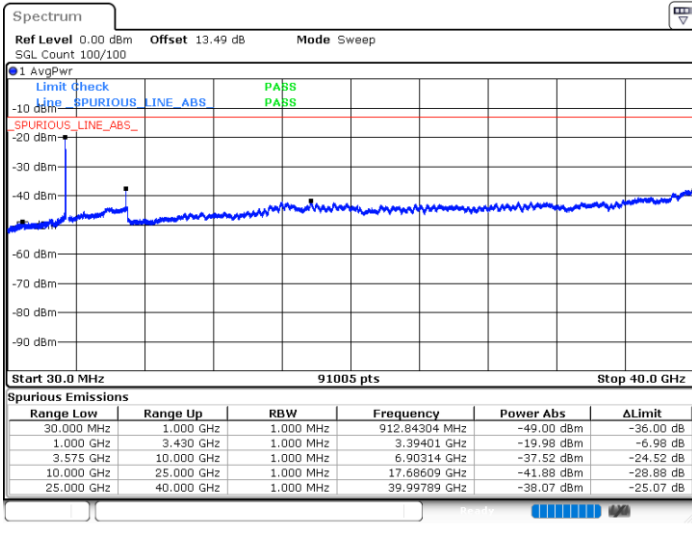
N/A



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

Lowest Channel / 1RB1

Middle Channel / 1RB1

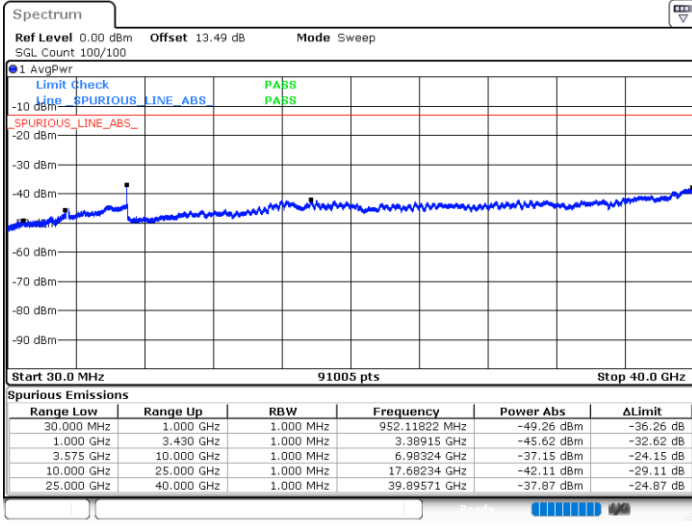


Date: 15 JUN.2022 03:40:38

Date: 15 JUN.2022 03:42:44

Highest Channel / 1RB1

N/A



Date: 15 JUN.2022 03:47:46

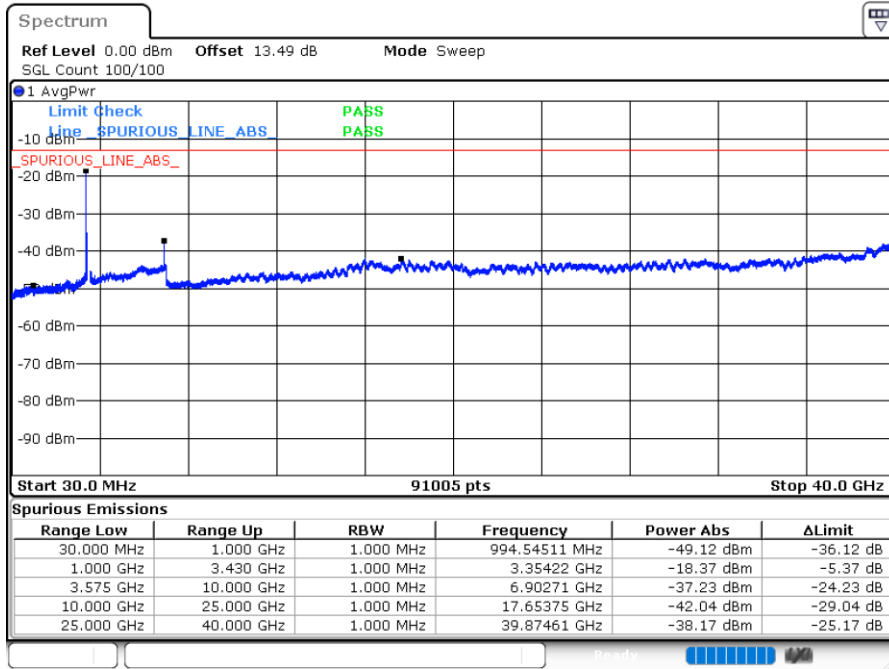
N/A





FR1 n77 / 100MHz / DFT-S OFDM /BPSK

Middle Channel / 1RB1

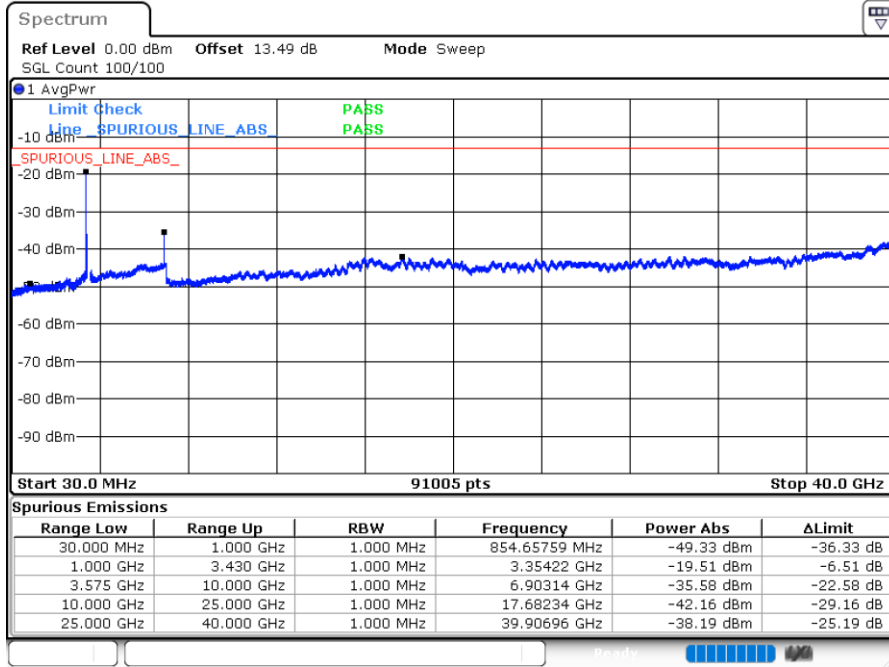


Date: 15 JUN 2022 02:25:07



FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Middle Channel / 1RB1



Date: 15 JUN 2022 02:26:15

## Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0069	
20	Battery End Point	0.0006	

**Note:**

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 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 :	22~25°C
		Relative Humidity :	48~52%

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

SA n77 / 100MHz / QPSK / ANT0								
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	6900	-60.16	-13	-47.16	-70.60	2.80	13.24	H
	10356	-51.92	-13	-38.92	-61.47	3.46	13.01	H
	13818	-59.82	-13	-46.82	-69.38	3.88	13.44	H
	17256	-51.22	-13	-38.22	-60.19	4.46	13.43	H
	6900	-61.37	-13	-48.37	-71.81	2.80	13.24	V
	10356	-54.46	-13	-41.46	-64.01	3.46	13.01	V
	13818	-60.03	-13	-47.03	-69.59	3.88	13.44	V
	17256	-43.43	-13	-30.43	-52.40	4.46	13.43	V

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

EN-DC_41A_n77A / LTE 20MHz + NR 100MHz / QPSK / ANT1(LTE) & ANT0(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	6900	-58.69	-13	-45.69	-69.17	2.76	13.24	H
	10356	-55.67	-13	-42.67	-65.26	3.42	13.01	H
	13818	-60.40	-13	-47.40	-70.01	3.83	13.44	H
	17256	-52.90	-13	-39.90	-61.92	4.41	13.43	H
	6900	-58.78	-13	-45.78	-69.22	2.80	13.24	V
	10356	-60.43	-13	-47.43	-69.98	3.46	13.01	V
	13818	-59.73	-13	-46.73	-69.29	3.88	13.44	V
	17256	-39.00	-13	-26.00	-47.97	4.46	13.43	V

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



SA n78 / 100MHz / QPSK / ANT0								
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	6900	-59.82	-13	-46.82	-70.30	2.76	13.24	H
	10356	-50.58	-13	-37.58	-60.17	3.42	13.01	H
	13818	-60.82	-13	-47.82	-70.43	3.83	13.44	H
	17256	-51.78	-13	-38.78	-60.80	4.41	13.43	H
	6900	-61.26	-13	-48.26	-71.70	2.80	13.24	V
	10356	-54.35	-13	-41.35	-63.90	3.46	13.01	V
	13818	-60.72	-13	-47.72	-70.28	3.88	13.44	V
	17256	-45.96	-13	-32.96	-54.93	4.46	13.43	V

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

EN-DC 7A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT0(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	6900	-58.92	-13	-45.92	-69.40	2.76	13.24	H
	10356	-55.62	-13	-42.62	-65.21	3.42	13.01	H
	13818	-59.95	-13	-46.95	-69.56	3.83	13.44	H
	17256	-52.78	-13	-39.78	-61.80	4.41	13.43	H
	6900	-58.73	-13	-45.73	-69.17	2.80	13.24	V
	10356	-60.23	-13	-47.23	-69.78	3.46	13.01	V
	13818	-59.83	-13	-46.83	-69.39	3.88	13.44	V
	17256	-39.49	-13	-26.49	-48.46	4.46	13.43	V

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