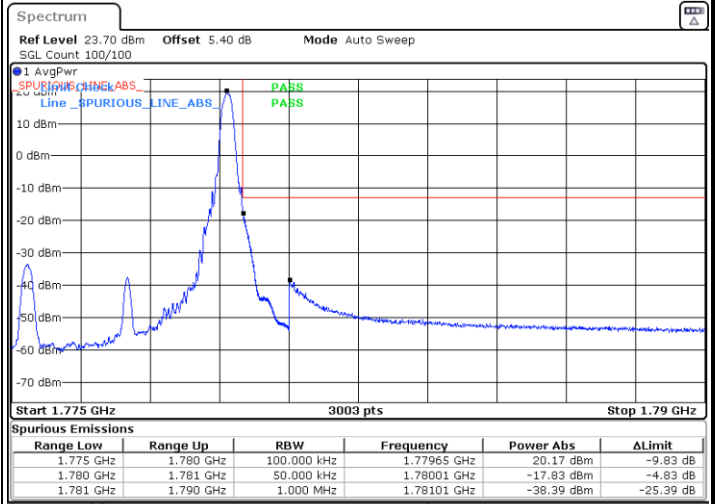
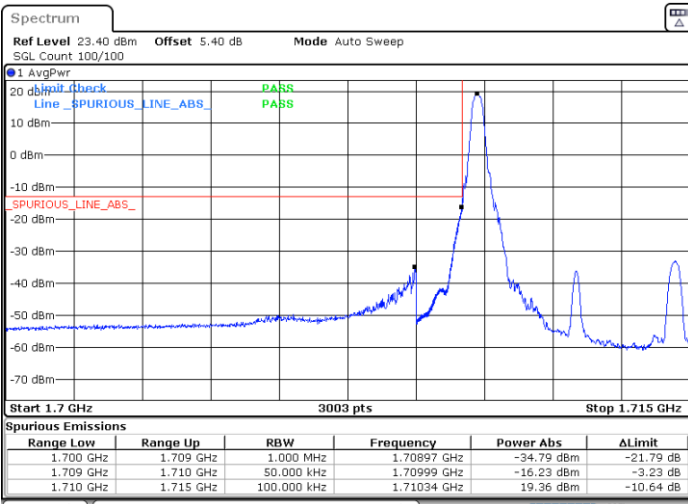




FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

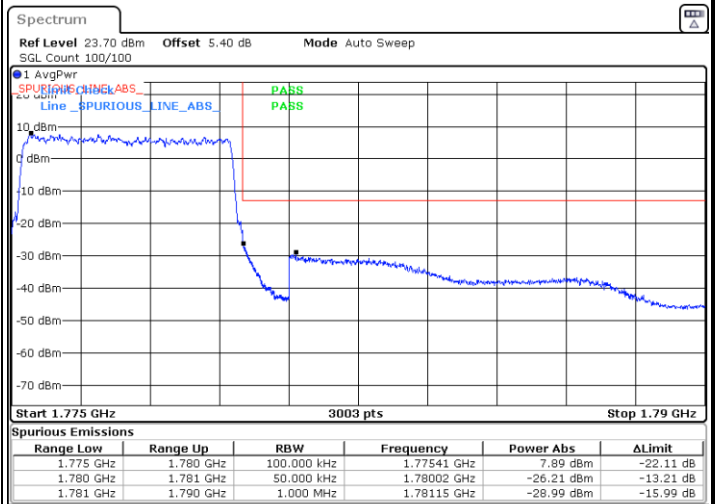
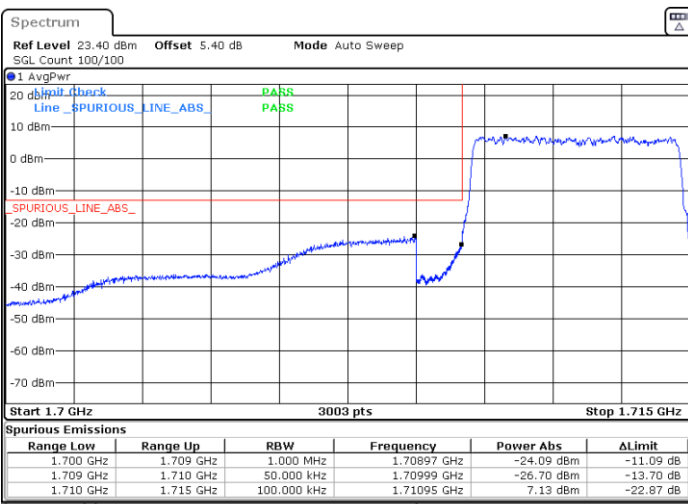


Date: 8.NOV.2022 02:28:05

Date: 8.NOV.2022 02:53:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 02:27:18

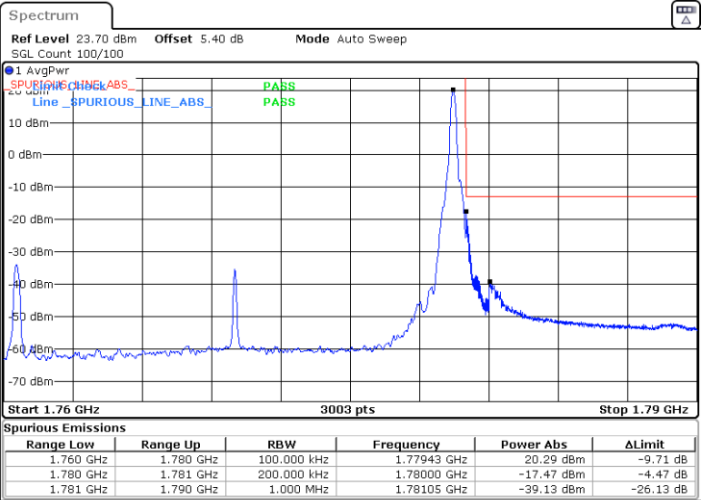
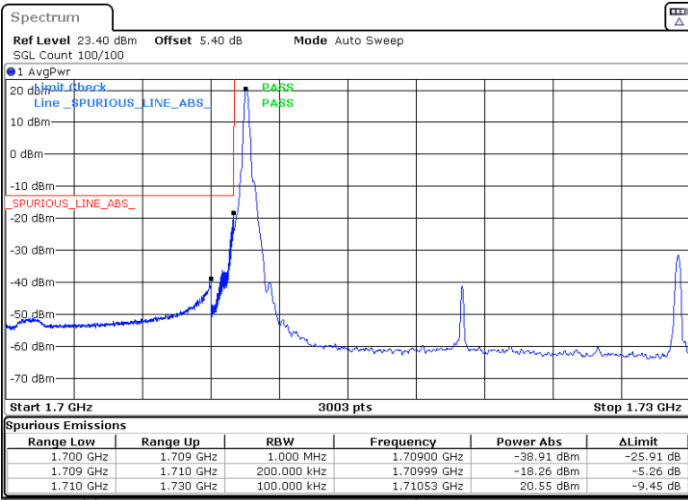
Date: 8.NOV.2022 02:53:01



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

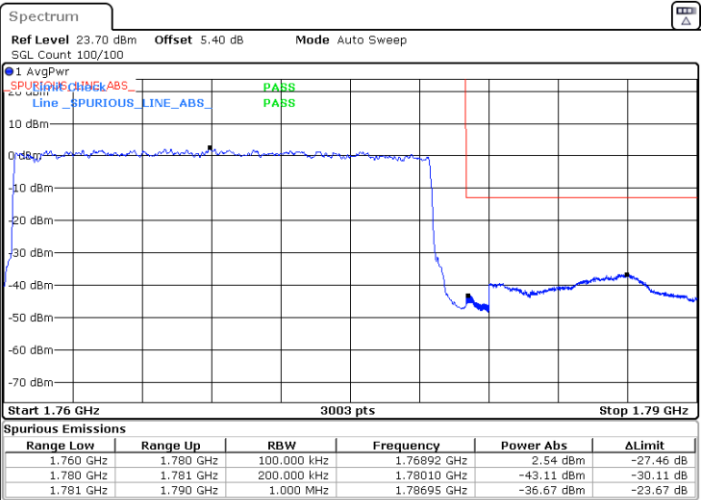
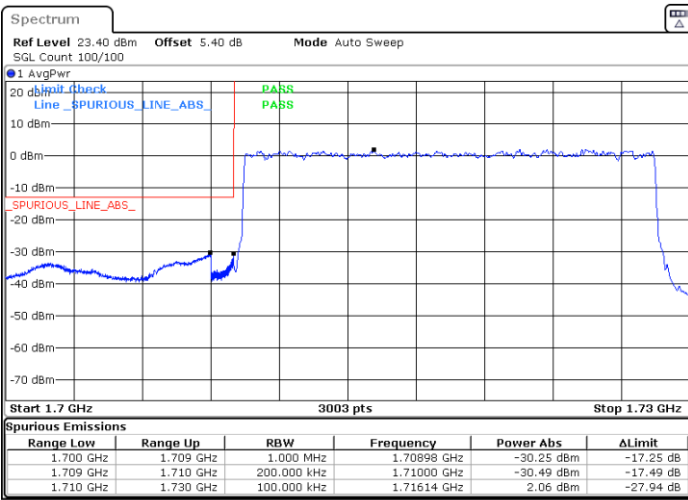


Date: 8.NOV.2022 03:07:49

Date: 8.NOV.2022 03:31:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 03:07:07

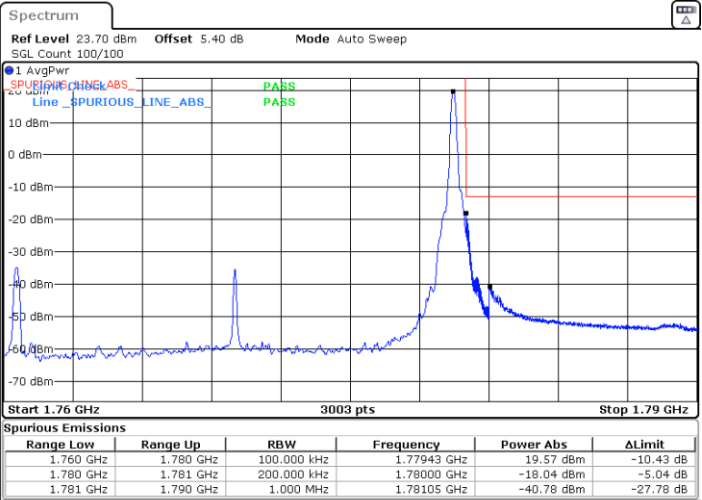
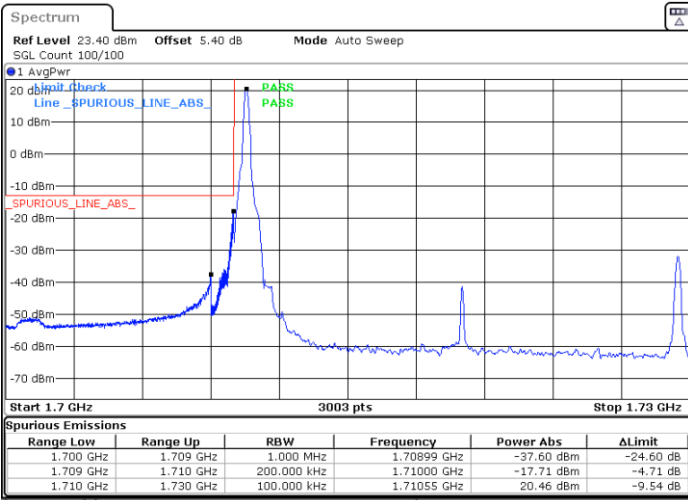
Date: 8.NOV.2022 03:30:45



FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

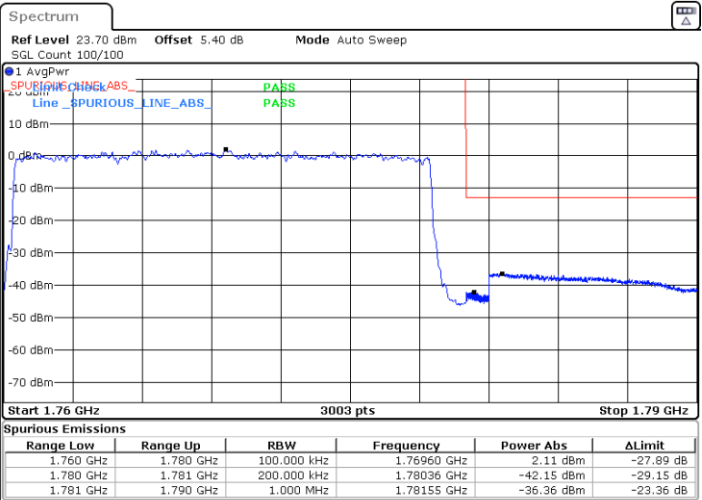
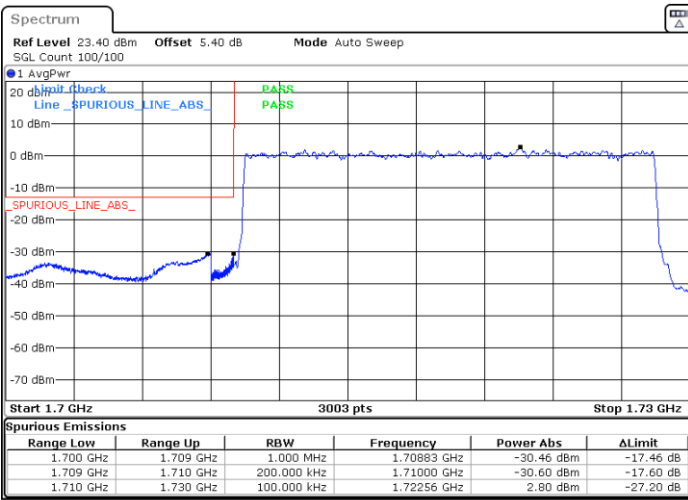


Date: 8.NOV.2022 03:07:38

Date: 8.NOV.2022 03:31:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 03:07:19

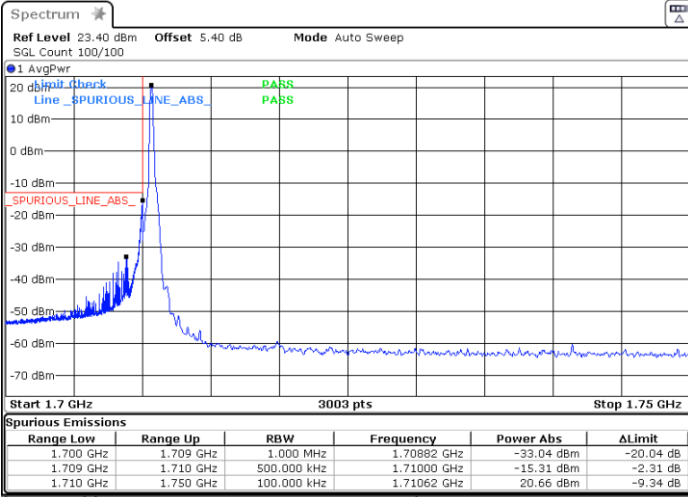
Date: 8.NOV.2022 03:31:03



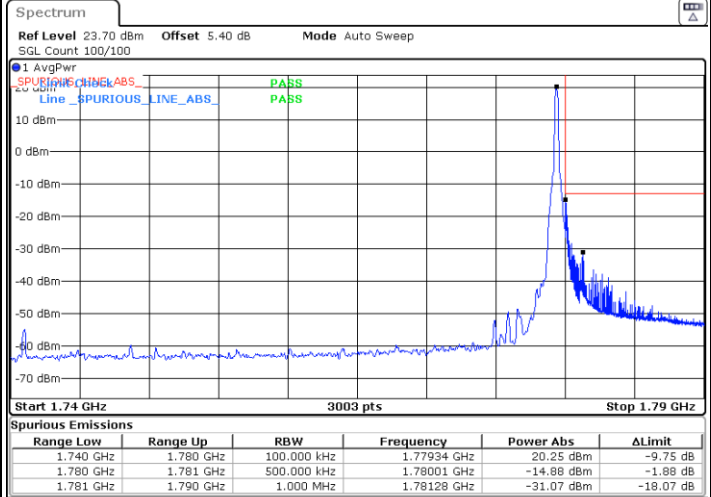
FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



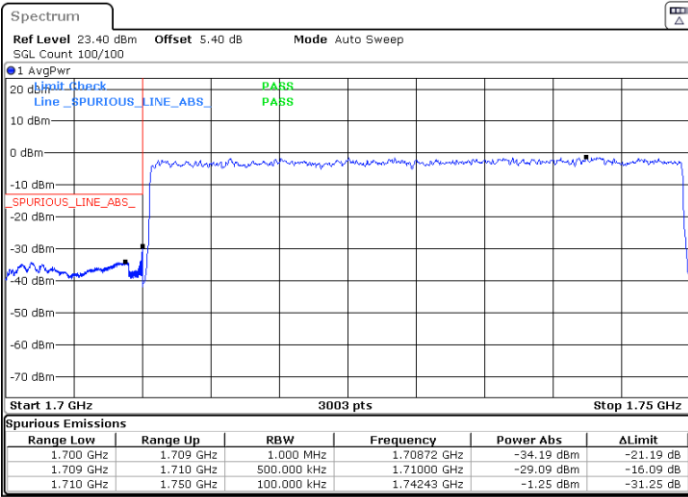
Date: 8.NOV.2022 03:56:29



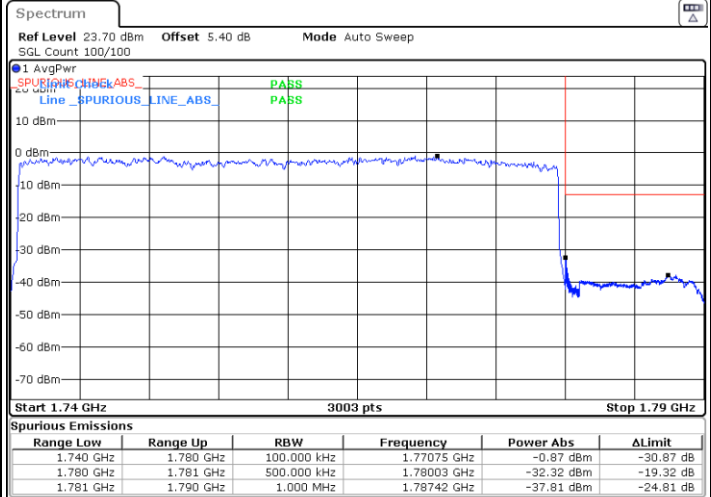
Date: 8.NOV.2022 04:00:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 03:58:00



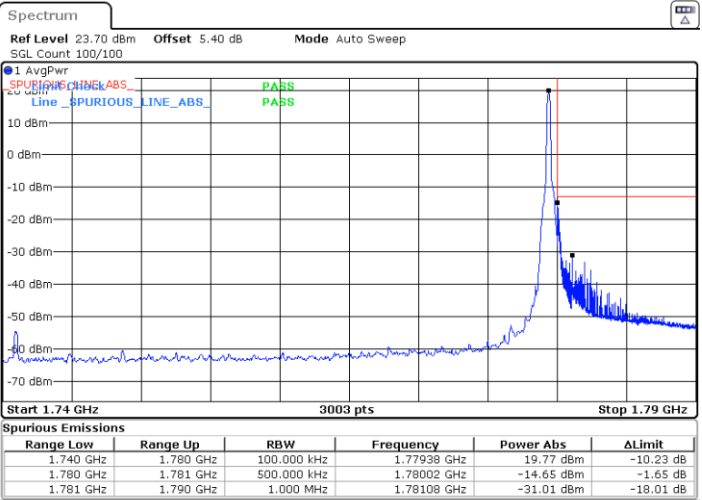
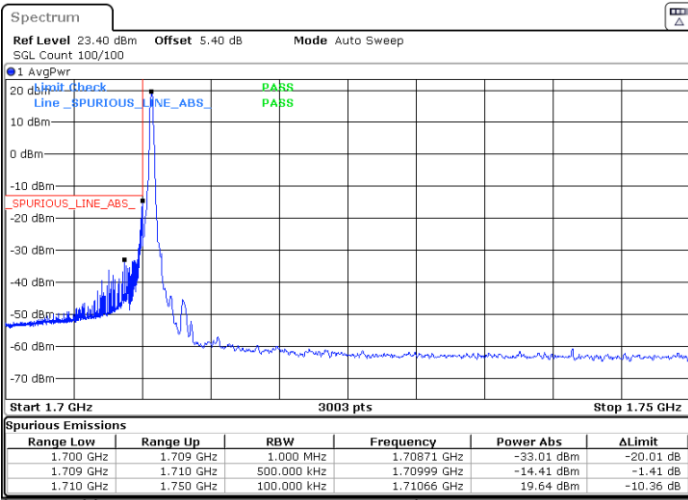
Date: 8.NOV.2022 03:59:09



FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

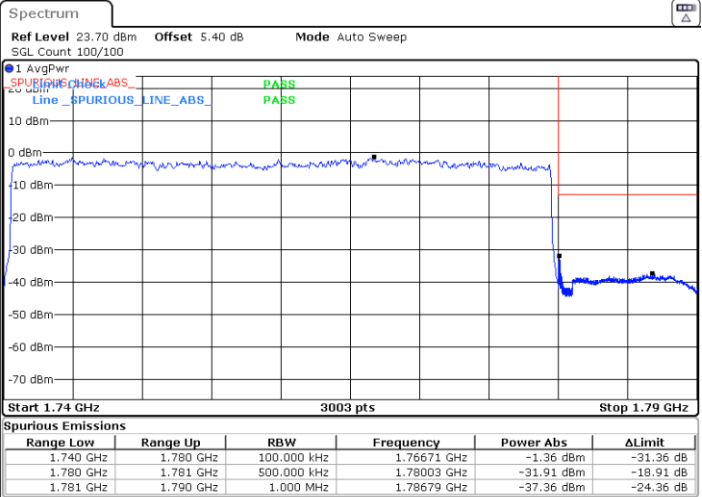
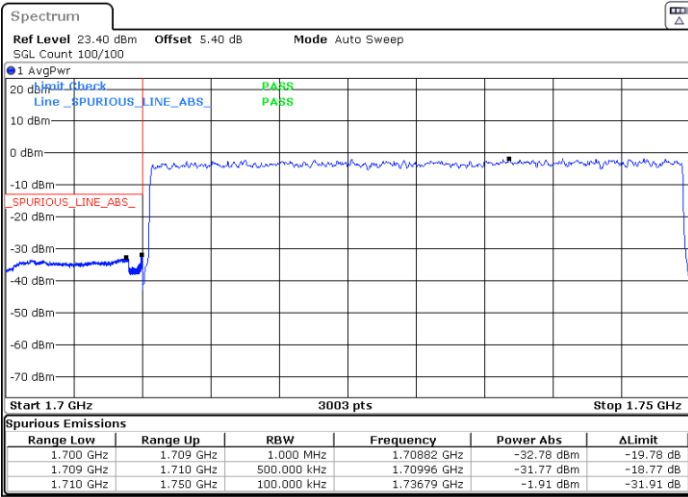


Date: 8.NOV.2022 03:57:01

Date: 8.NOV.2022 03:59:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 03:57:44

Date: 8.NOV.2022 03:59:25

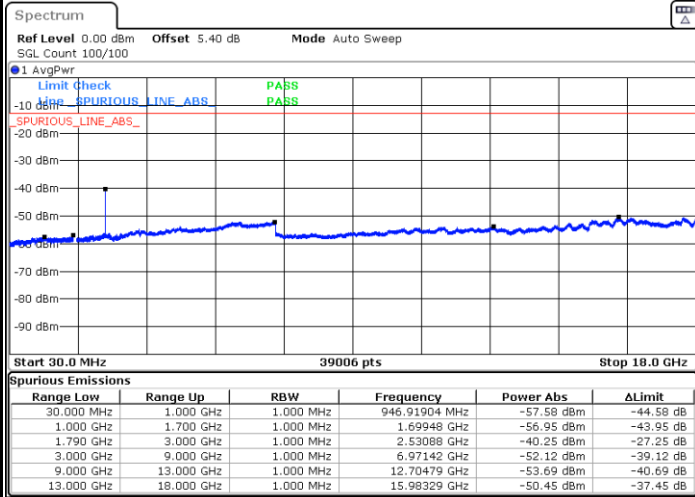


# Conducted Spurious Emission

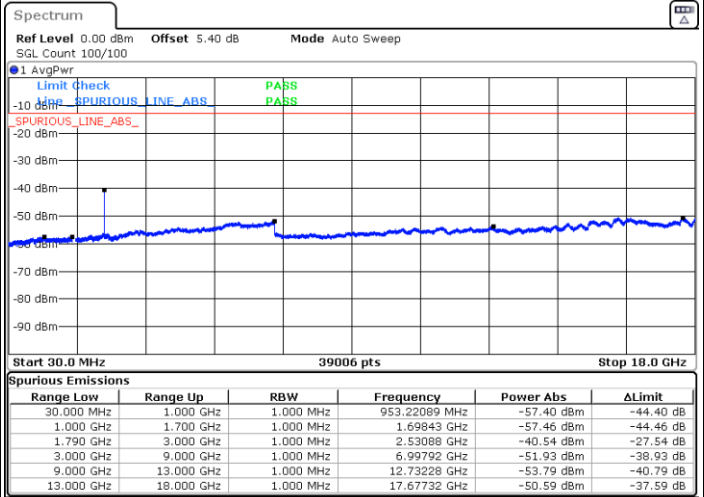
FR1 n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

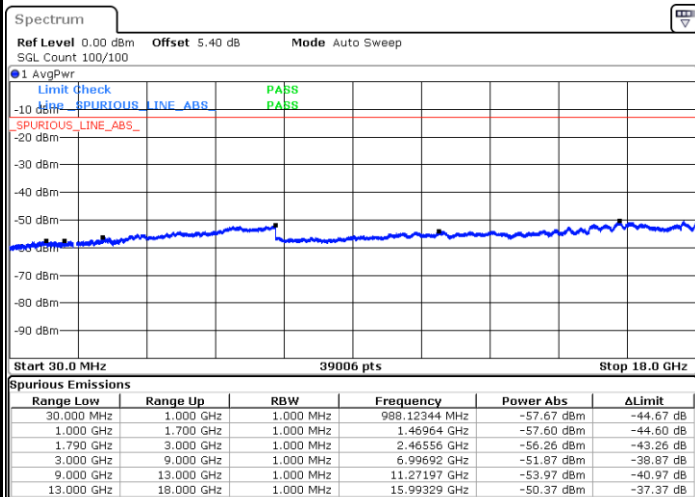


Date: 8.NOV.2022 02:42:14



Date: 8.NOV.2022 02:46:01

Highest Channel / 1RB1



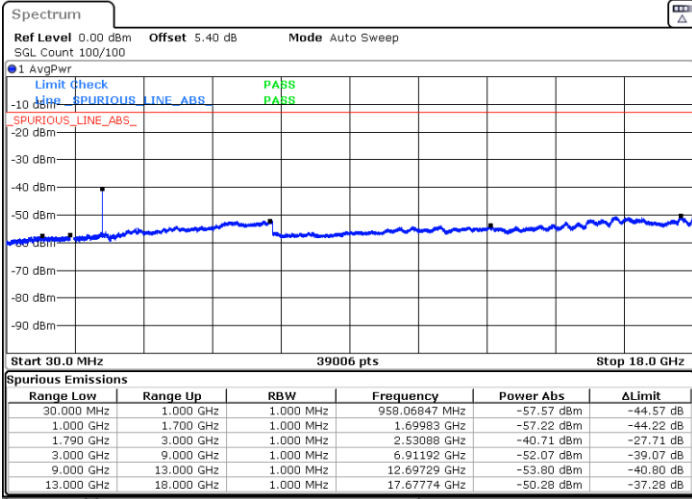
Date: 13.NOV.2022 13:34:49



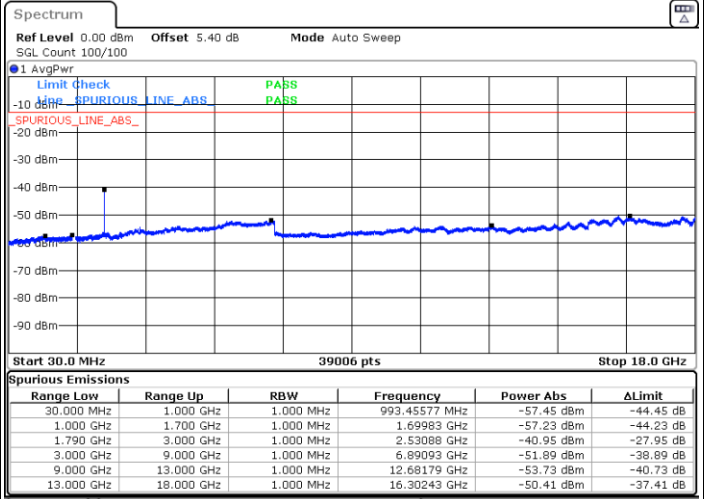
FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

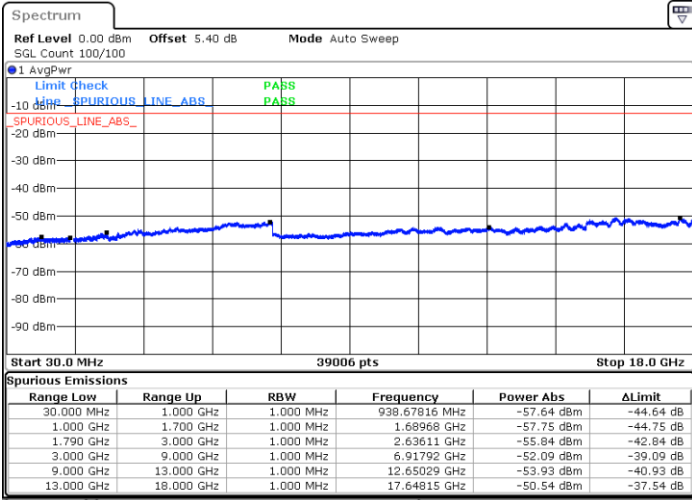


Date: 8.NOV.2022 02:43:48



Date: 8.NOV.2022 02:44:59

Highest Channel / 1RB1



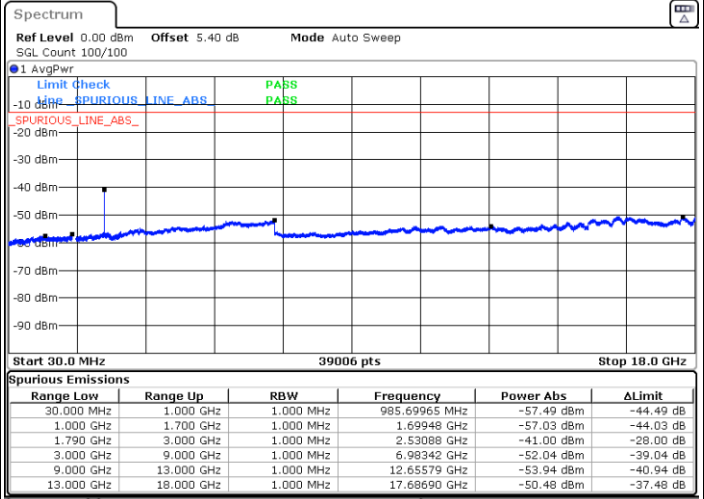
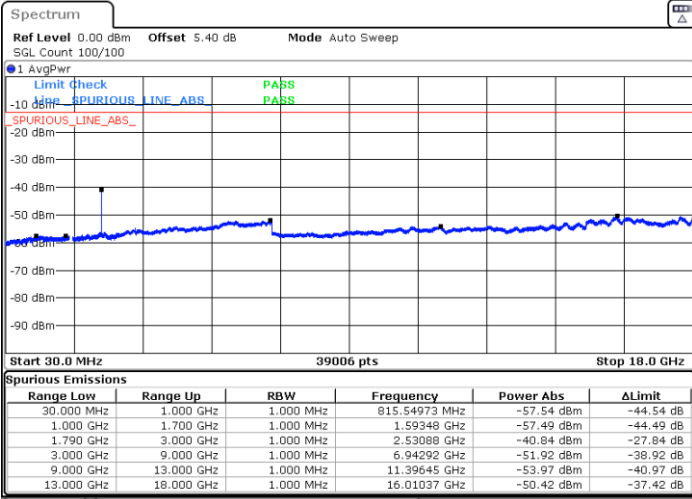
Date: 13.NOV.2022 13:37:21



FR1 n66 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

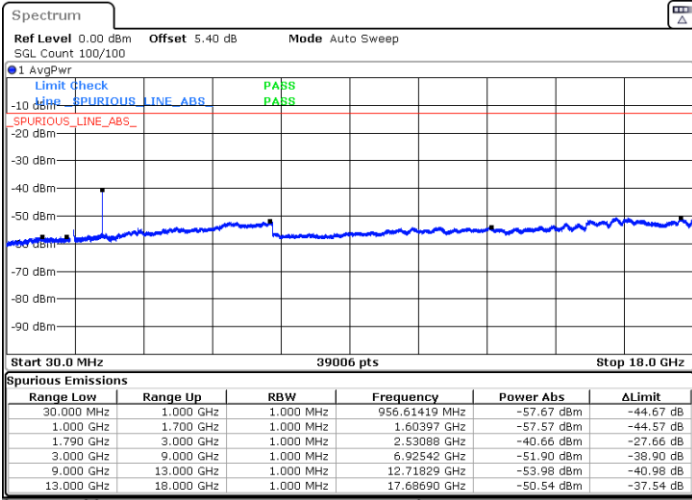
Middle Channel / 1RB1



Date: 8.NOV.2022 03:26:03

Date: 8.NOV.2022 03:29:36

Highest Channel / 1RB1



Date: 8.NOV.2022 03:32:41

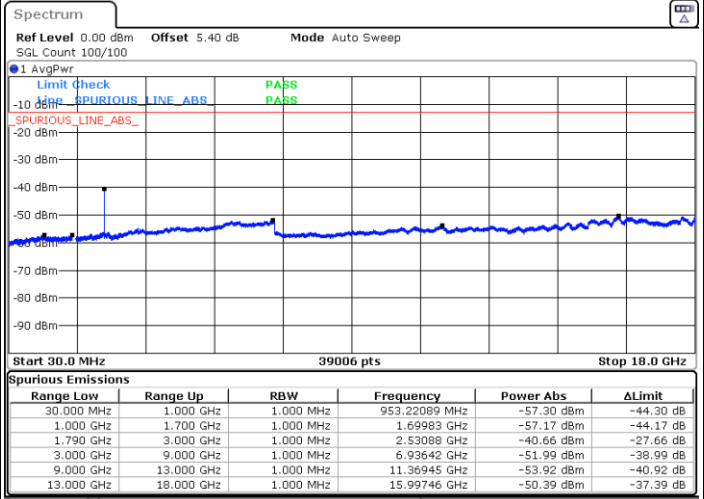
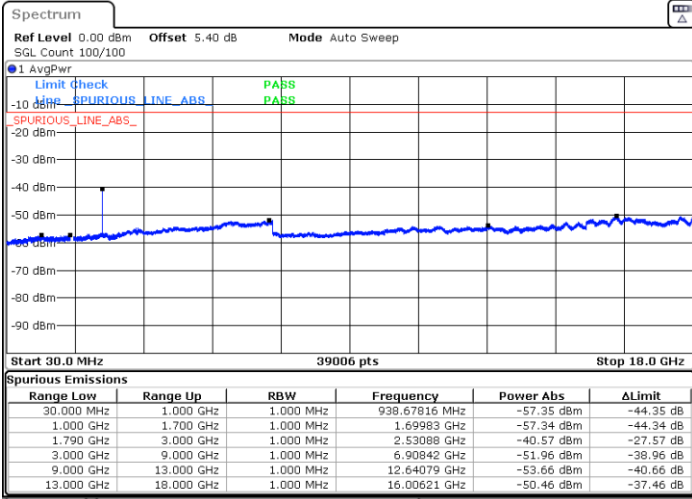




FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

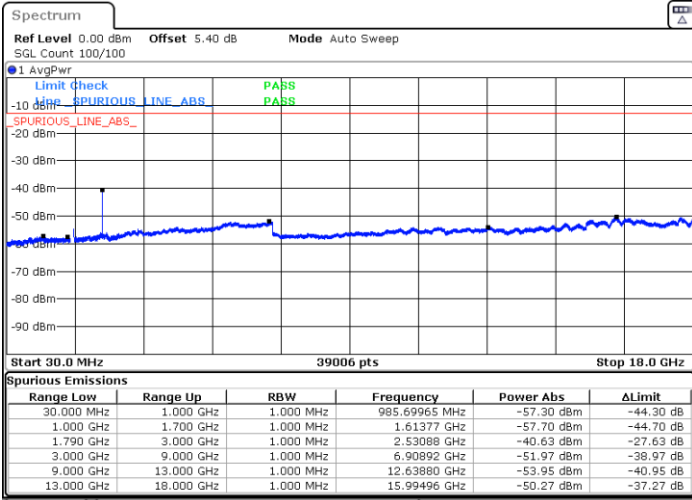
Middle Channel / 1RB1



Date: 8.NOV.2022 03:28:04

Date: 8.NOV.2022 03:28:52

Highest Channel / 1RB1



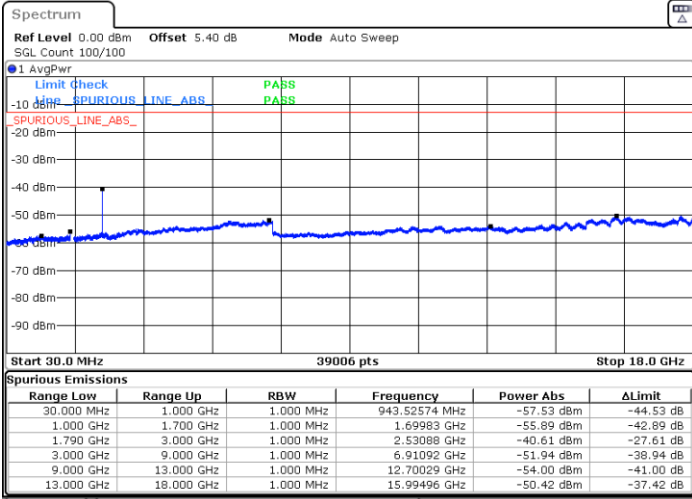
Date: 8.NOV.2022 03:35:29



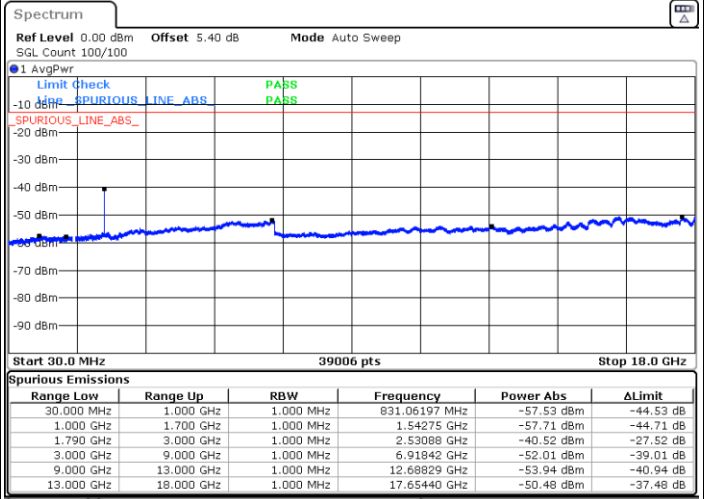
FR1 n66 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

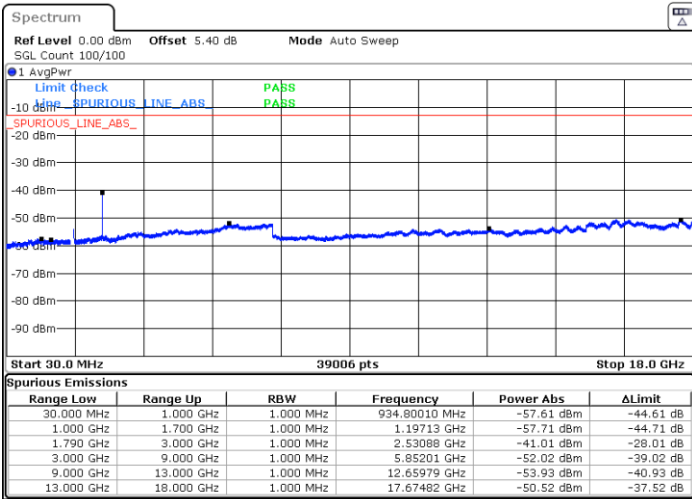


Date: 8.NOV.2022 03:54:21



Date: 8.NOV.2022 03:48:07

Highest Channel / 1RB1



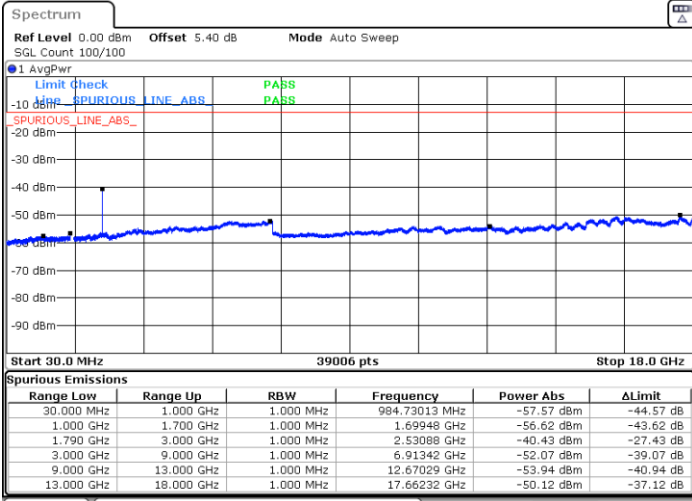
Date: 8.NOV.2022 04:00:45



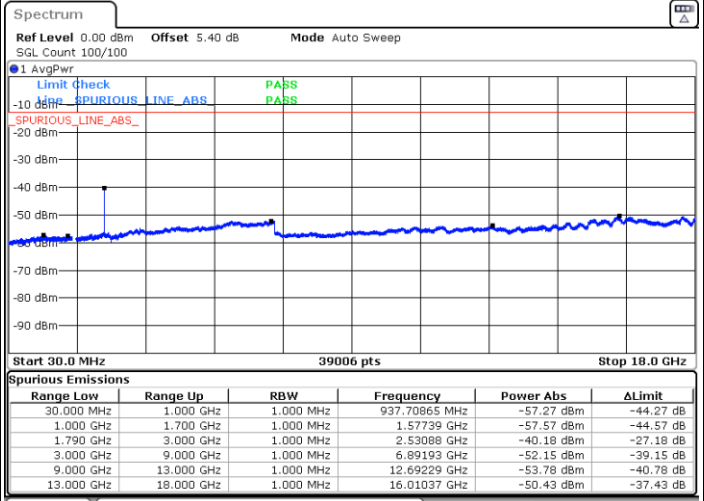
FR1 n66 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

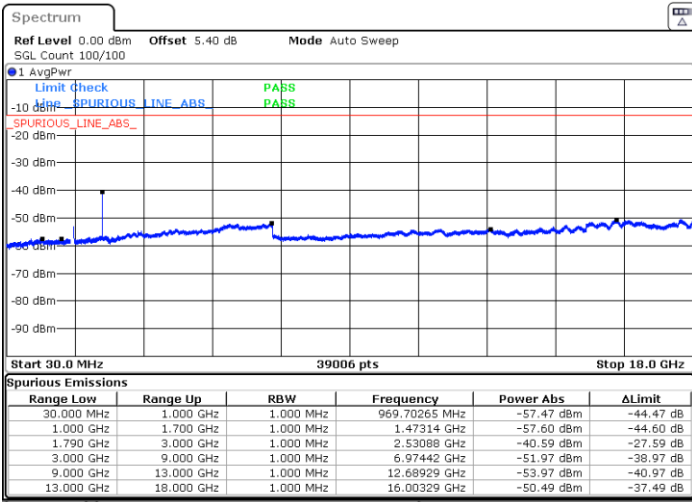


Date: 8.NOV.2022 03:53:35



Date: 8.NOV.2022 03:50:02

Highest Channel / 1RB1



Date: 8.NOV.2022 04:01:23



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

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

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

EN-DC_7A_n2A / LTE 20MHz + NR 20MHz / QPSK / ANT0(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)
NR n2 LTE Band7 Middle	3741	-57.00	-13	-44.00	-69.26	2.64	14.90	H
	5613	-52.67	-13	-39.67	-64.53	2.94	14.80	H
	7488	-50.80	-13	-37.80	-60.57	3.39	13.16	H
	3741	-55.32	-13	-42.32	-67.58	2.64	14.90	V
	5613	-50.43	-13	-37.43	-62.29	2.94	14.80	V
	7488	-50.57	-13	-37.57	-60.34	3.39	13.16	V

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

EN-DC_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT0(LTE) & ANT1(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)
NR n5 LTE Band7 Middle	1656	-63.27	-13	-50.27	-70.24	1.58	10.70	H
	2480	-58.58	-13	-45.58	-66.83	2.102	12.50	H
	3312	-58.91	-13	-45.91	-67.80	2.856	13.90	H
	1656	-63.18	-13	-50.18	-70.15	1.58	10.70	V
	2480	-58.22	-13	-45.22	-66.47	2.10	12.50	V
	3312	-57.62	-13	-44.62	-66.51	2.86	13.90	V

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

SA n7 / NR 40MHz / QPSK / ANT1								
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	5034	-68.07	-25	-43.07	-78.28	3.03	13.24	H
	7552	-63.83	-25	-38.83	-73.28	3.56	13.01	H
	10070	-62.11	-25	-37.11	-71.63	3.92	13.44	H
	5032	-68.13	-25	-43.13	-78.34	3.03	13.24	V
	7551	-64.00	-25	-39.00	-73.45	3.56	13.01	V
	10070	-61.84	-25	-36.84	-71.36	3.92	13.44	V

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



EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK / ANT0(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)
NR n7 LTE Band66 Middle	5032	-53.28	-25	-28.28	-63.49	3.03	13.24	H
	7548	-49.27	-25	-24.27	-58.72	3.56	13.01	H
	10070	-62.11	-25	-37.11	-71.63	3.92	13.44	H
	5032	-57.92	-25	-32.92	-68.13	3.03	13.24	V
	7548	-47.52	-25	-22.52	-56.97	3.56	13.01	V
	10070	-62.37	-25	-37.37	-71.89	3.92	13.44	V

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

SA n41 / NR 100MHz / QPSK / ANT1								
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	5096	-68.29	-25	-43.29	-78.50	3.03	13.24	H
	7632	-59.36	-25	-34.36	-68.81	3.56	13.01	H
	10190	-61.37	-25	-36.37	-70.89	3.92	13.44	H
	5096	-68.39	-25	-43.39	-78.60	3.03	13.24	V
	7644	-63.76	-25	-38.76	-73.21	3.56	13.01	V
	10190	-62.04	-25	-37.04	-71.56	3.92	13.44	V

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

SA n66 / NR 40MHz / 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	3454	-59.06	-13	-46.06	-69.80	2.604	13.34	H
	5181	-56.25	-13	-43.25	-66.76	3.011	13.52	H
	6908	-55.38	-13	-42.38	-65.58	3.271	13.47	H
	3454	-59.52	-13	-46.52	-70.26	2.604	13.34	V
	5181	-56.42	-13	-43.42	-66.93	3.011	13.52	V
	6908	-55.18	-13	-42.18	-65.38	3.271	13.47	V

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



EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT0(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)
NR n66 LTE Band7 Middle	3453	-58.12	-13	-45.12	-68.86	2.604	13.34	H
	5181	-56.04	-13	-43.04	-66.55	3.011	13.52	H
	6912	-54.82	-13	-41.82	-65.02	3.271	13.47	H
	3454	-57.37	-13	-44.37	-68.11	2.604	13.34	V
	5181	-56.22	-13	-43.22	-66.73	3.011	13.52	V
	6912	-54.77	-13	-41.77	-64.97	3.271	13.47	V

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