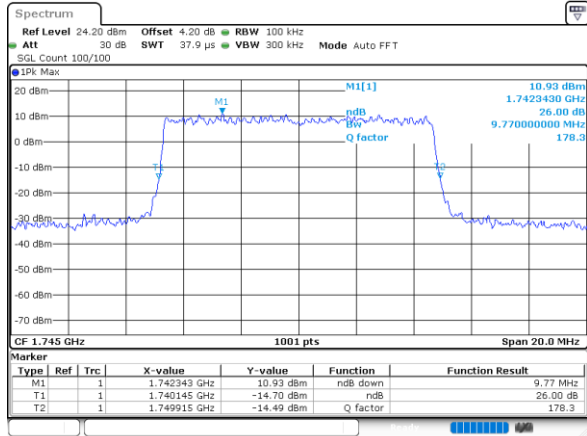




FR1 n66 / 10MHz / CP-OFDM

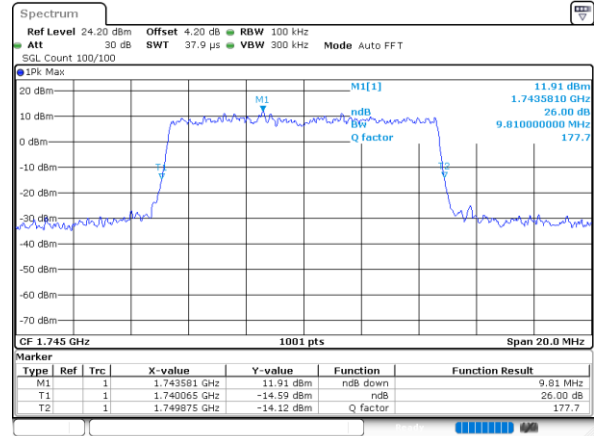
QPSK

Middle Channel



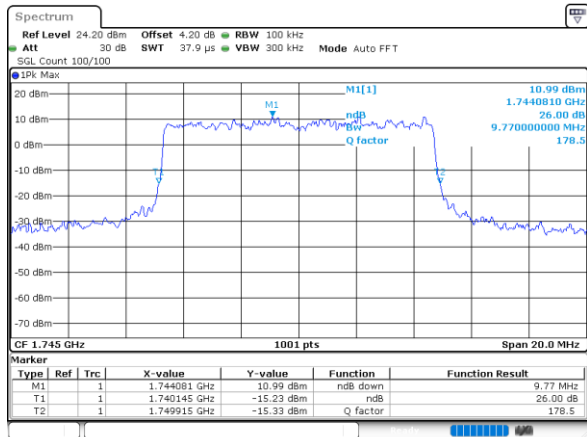
16QAM

Middle Channel



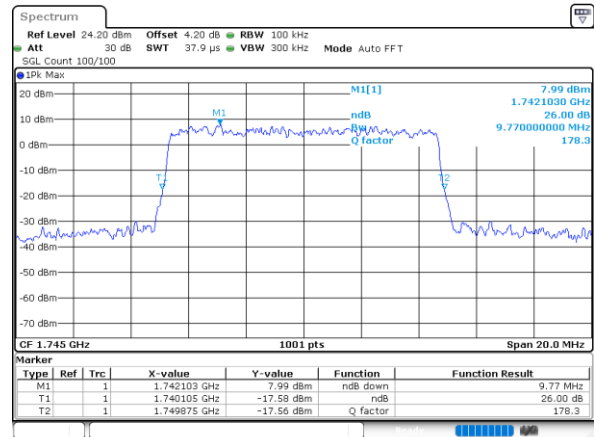
64QAM

Middle Channel



256QAM

Middle Channel

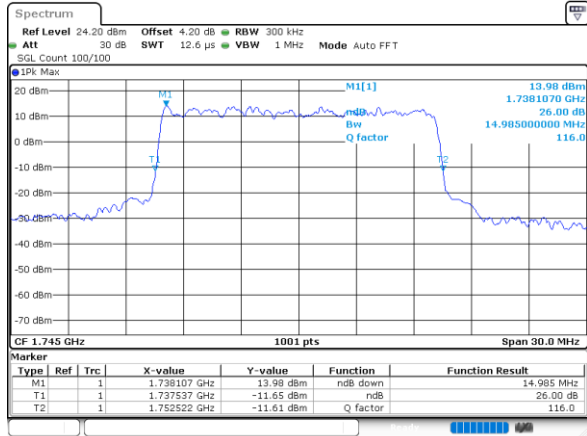




FR1 n66 / 15MHz / CP-OFDM

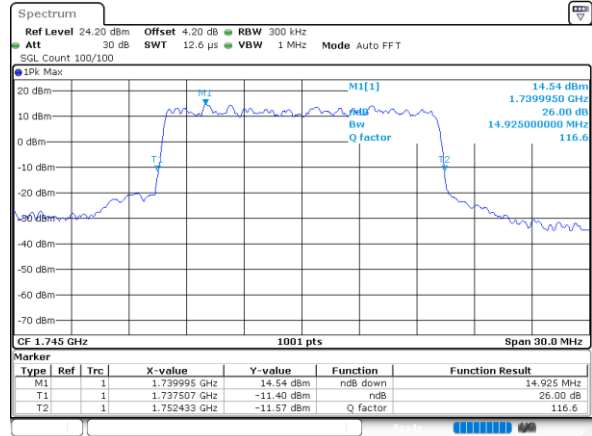
QPSK

Middle Channel



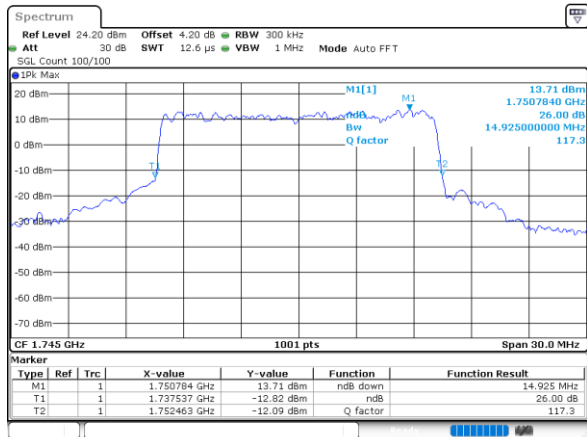
16QAM

Middle Channel



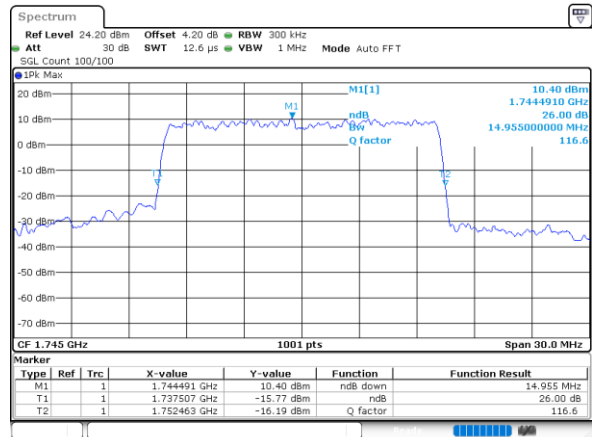
64QAM

Middle Channel



256QAM

Middle Channel

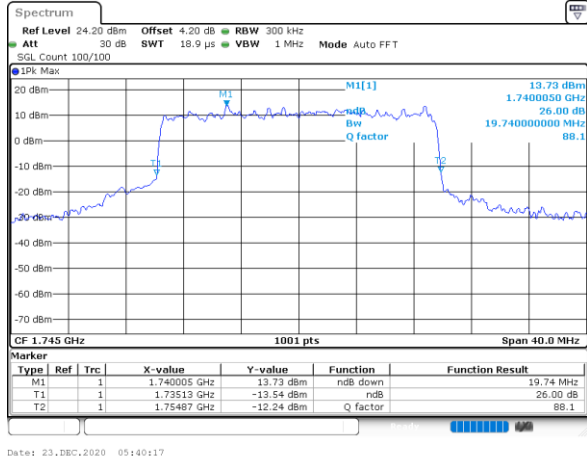




FR1 n66 / 20MHz / CP-OFDM

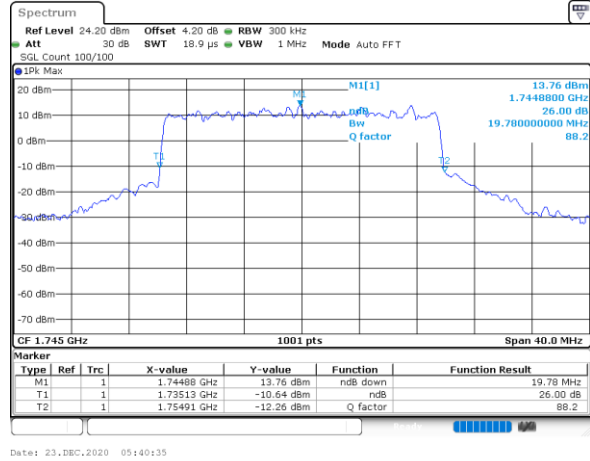
QPSK

Middle Channel



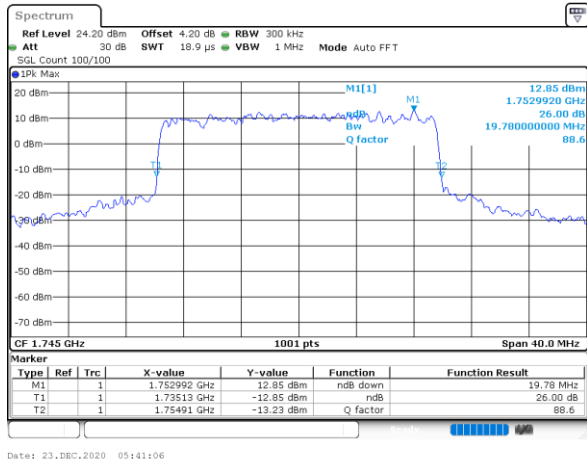
16QAM

Middle Channel



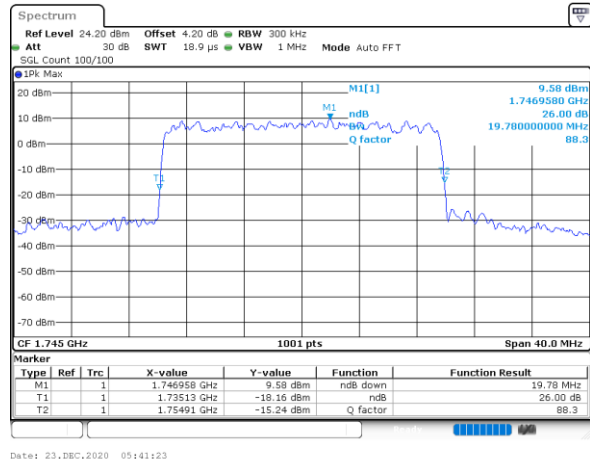
64QAM

Middle Channel



256QAM

Middle Channel



**Occupied Bandwidth**

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	5MHz	5MHz	5MHz	5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	4.46	4.5	4.49	4.49				

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	9.25	9.27	9.27	9.31				

Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	14.14	14.11	14.14	14.17				

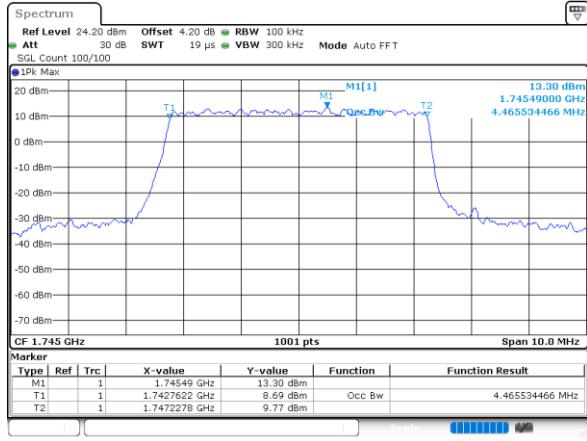
Mode	FR1 n66 : OBW(MHz) / CP-OFDM							
BW	20MHz	20MHz	20MHz	20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Middle CH	18.94	18.94	18.94	18.9				



FR1 n66 / 5MHz / CP-OFDM

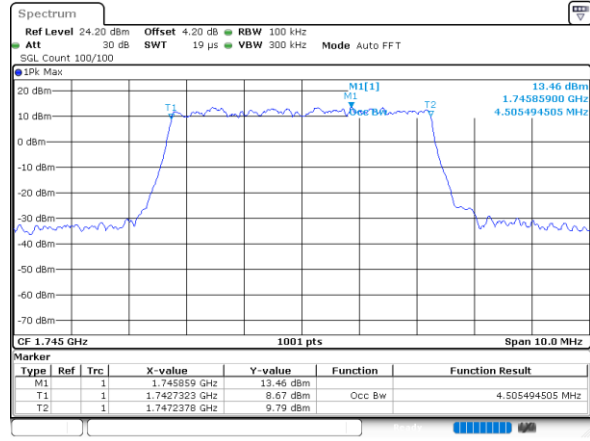
QPSK

Middle Channel



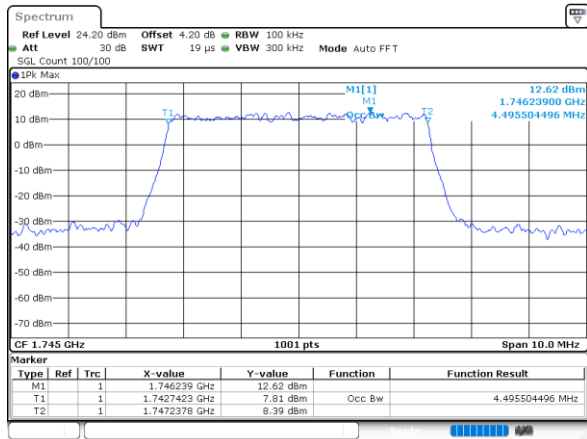
16QAM

Middle Channel



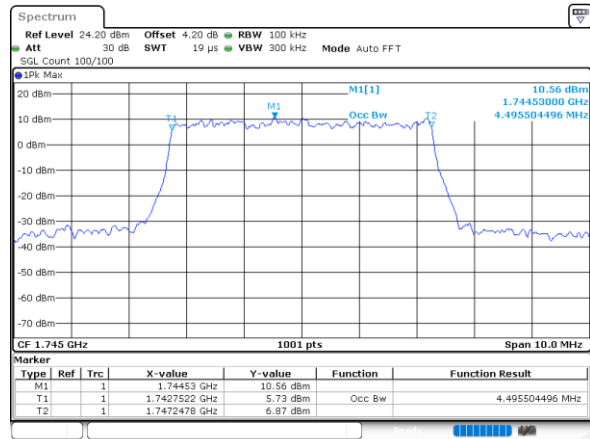
64QAM

Middle Channel



256QAM

Middle Channel

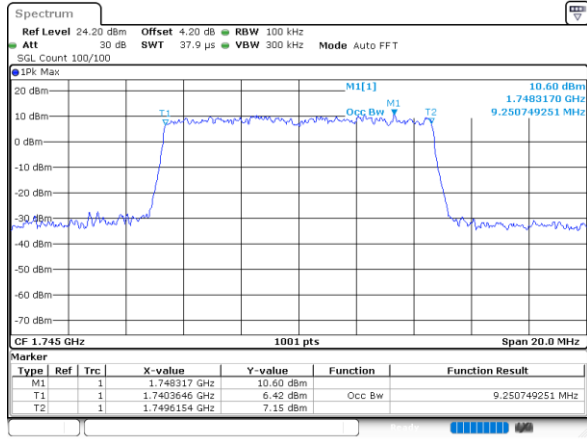




FR1 n66 / 10MHz / CP-OFDM

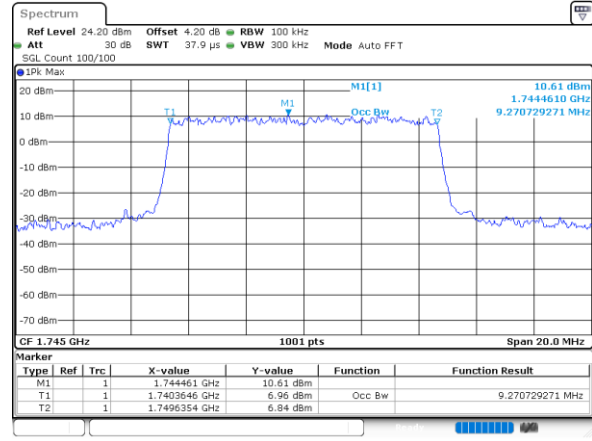
QPSK

Middle Channel



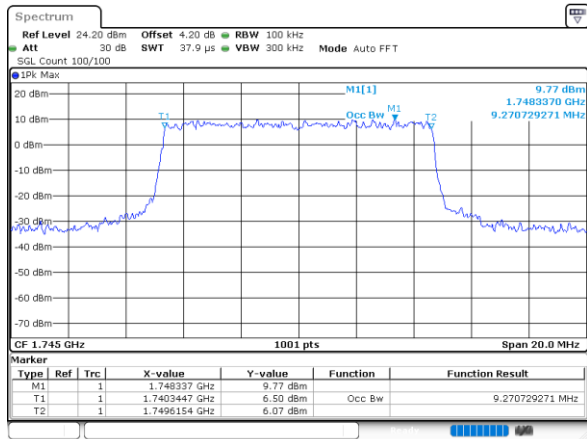
16QAM

Middle Channel



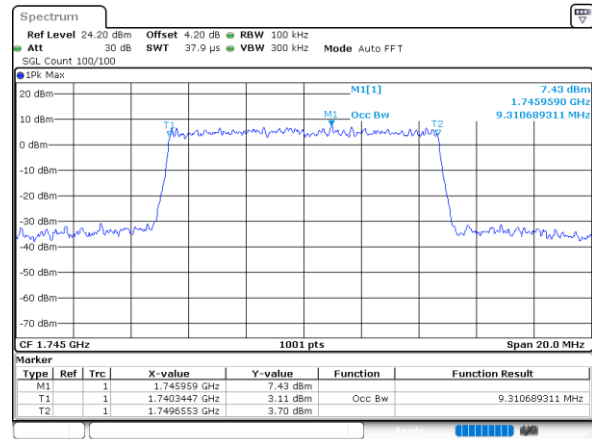
64QAM

Middle Channel



256QAM

Middle Channel

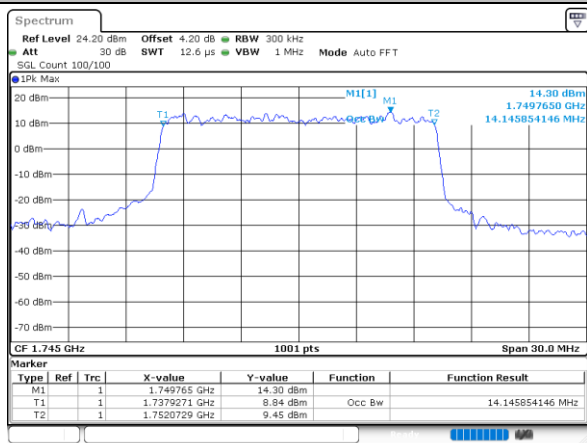




FR1 n66 / 15MHz / CP-OFDM

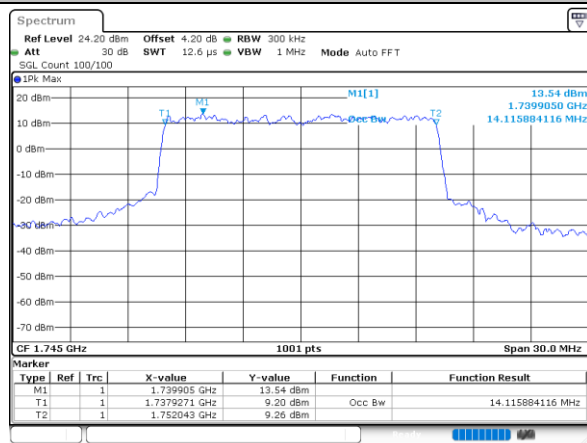
QPSK

Middle Channel



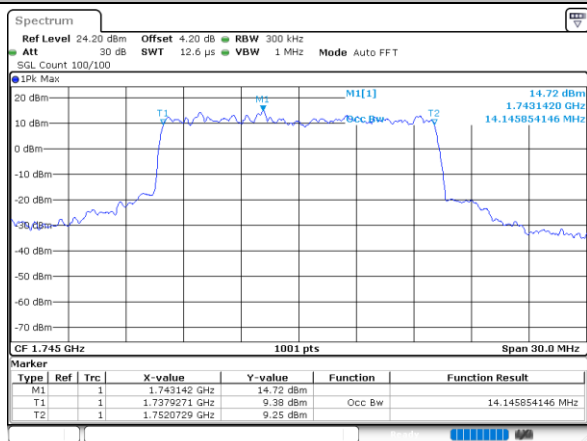
16QAM

Middle Channel



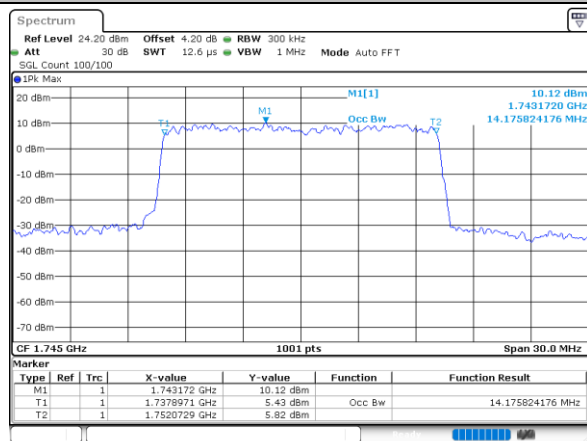
64QAM

Middle Channel



256QAM

Middle Channel

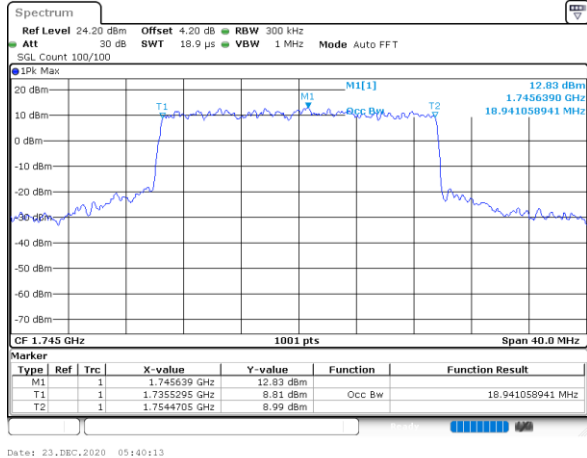




FR1 n66 / 20MHz / CP-OFDM

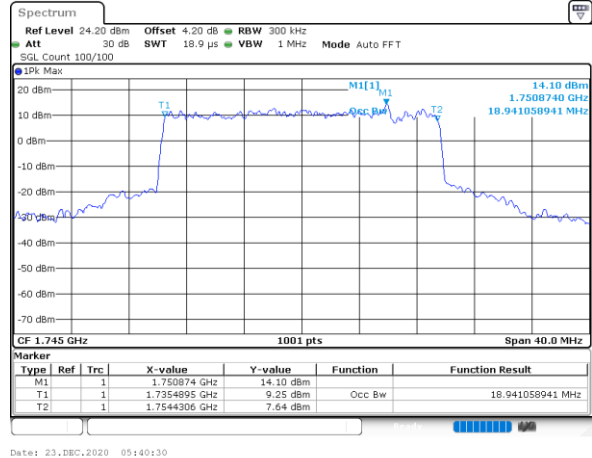
QPSK

Middle Channel



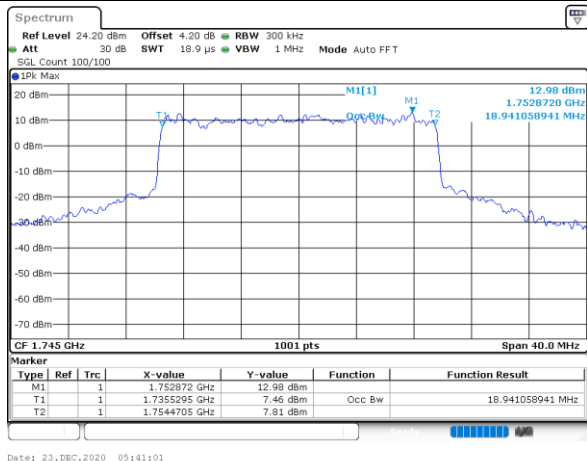
16QAM

Middle Channel



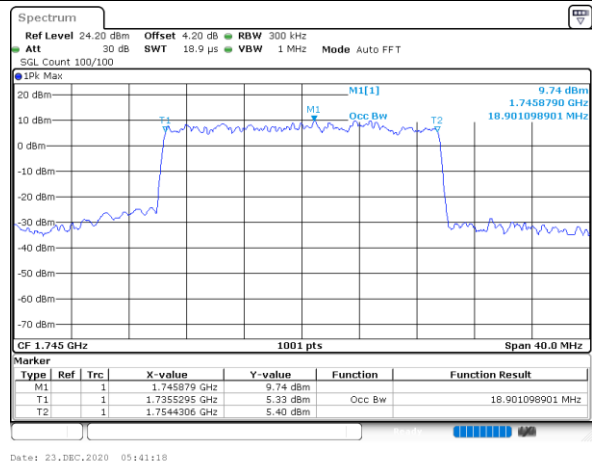
64QAM

Middle Channel



256QAM

Middle Channel

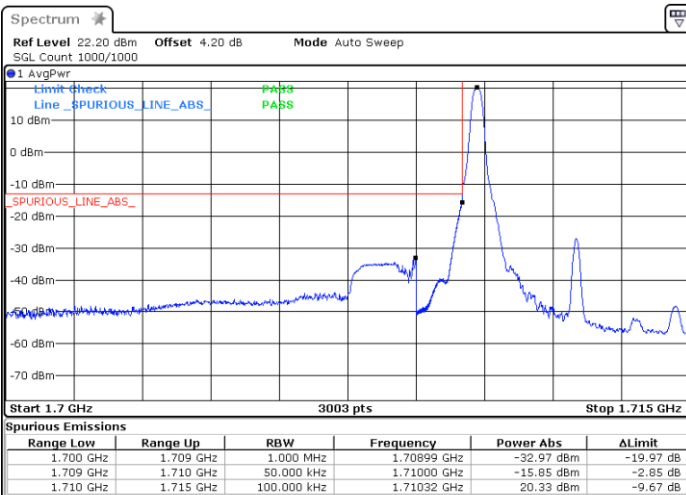




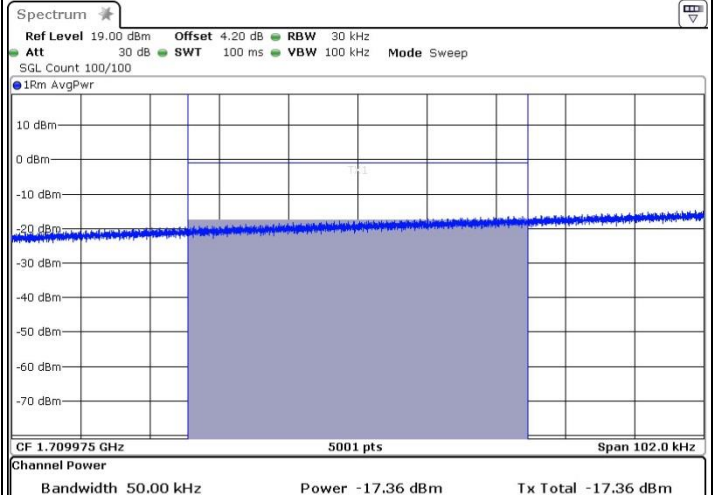
Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM BPSK

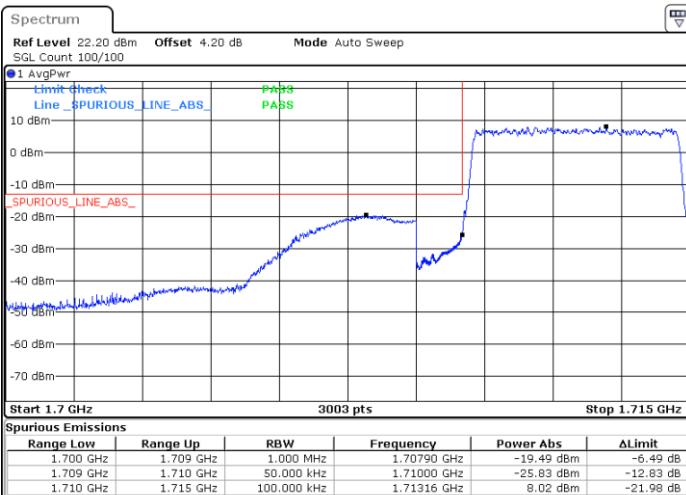
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

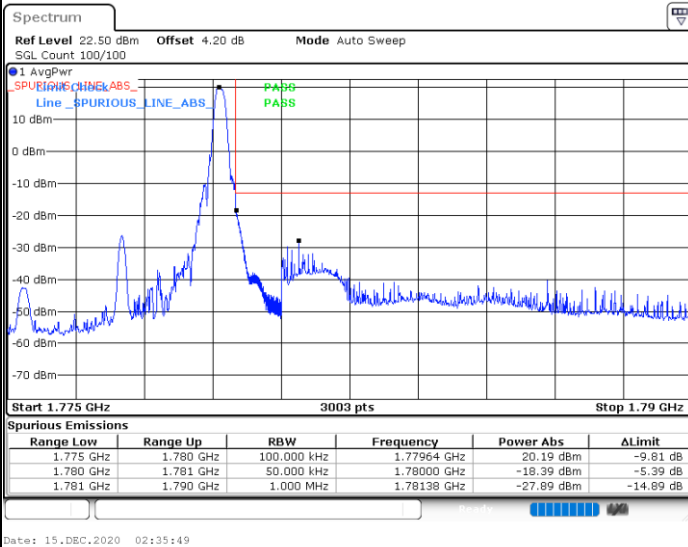
/



FR1 n66 / 5MHz / DFT-S OFDM BPSK

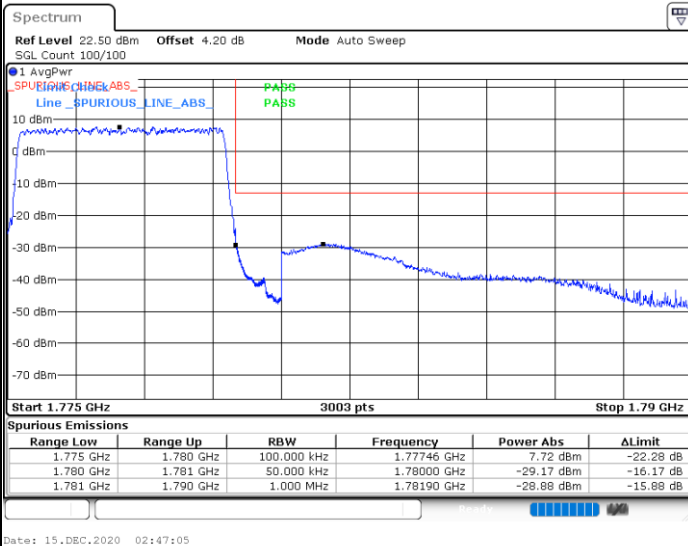
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

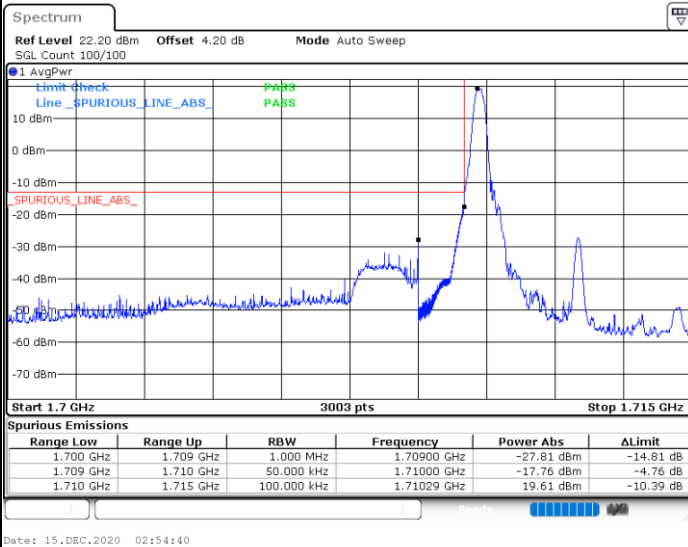




FR1 n66 / 5MHz / DFT-S OFDM QPSK

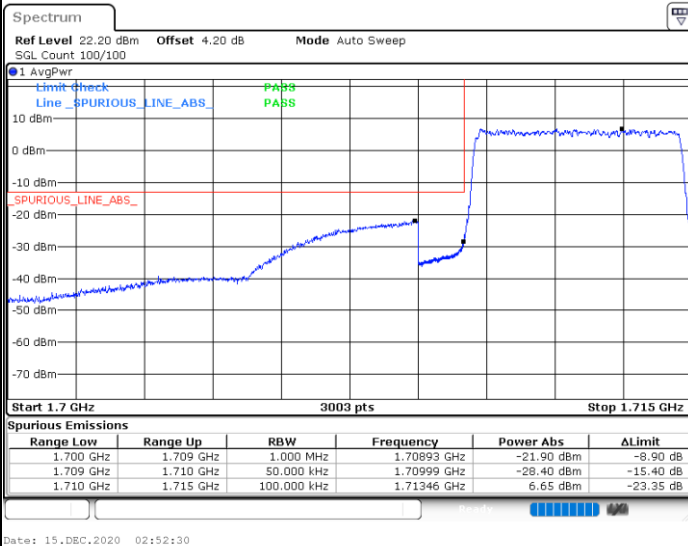
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

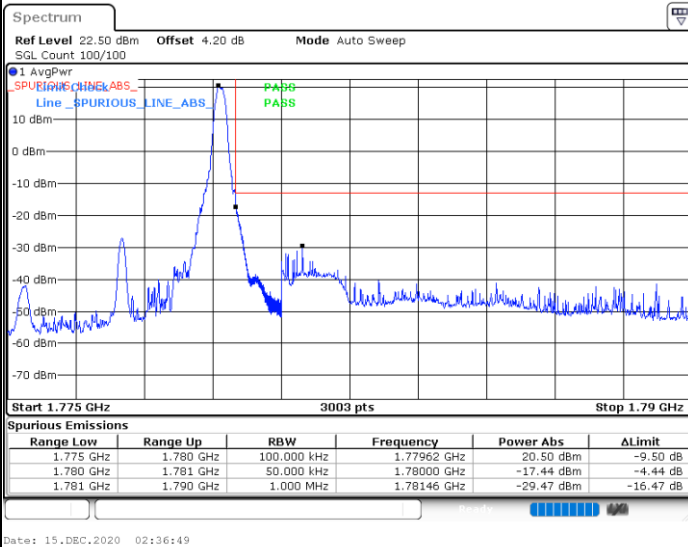




FR1 n66 / 5MHz / DFT-S OFDM QPSK

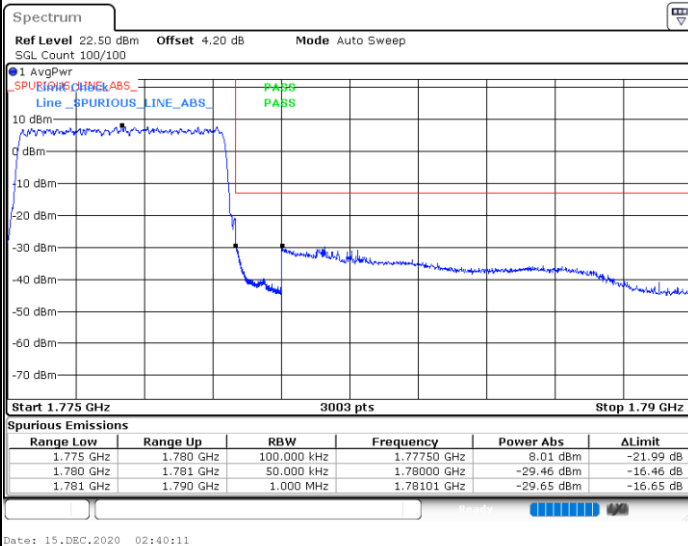
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

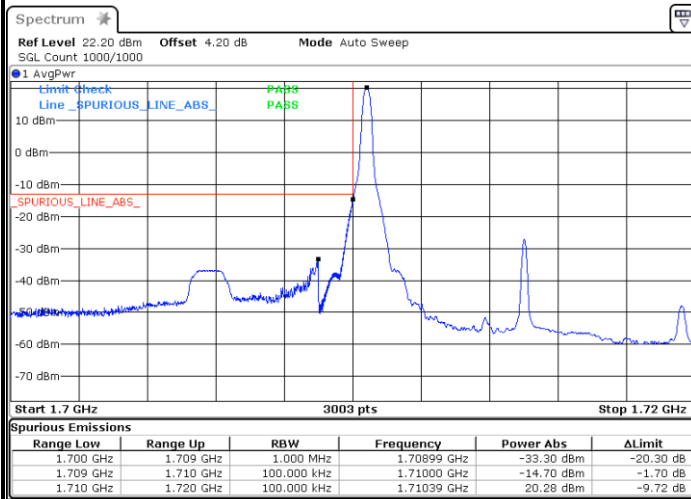
Channel Power < -13dBm Pass



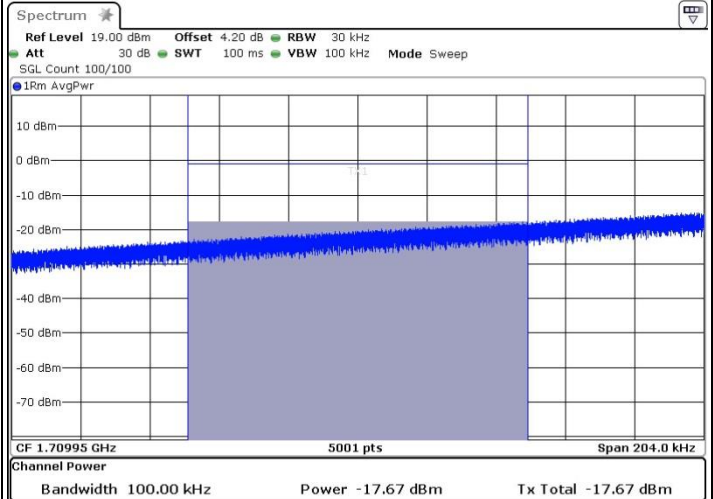


FR1 n66 / 10MHz / DFT-S OFDM BPSK

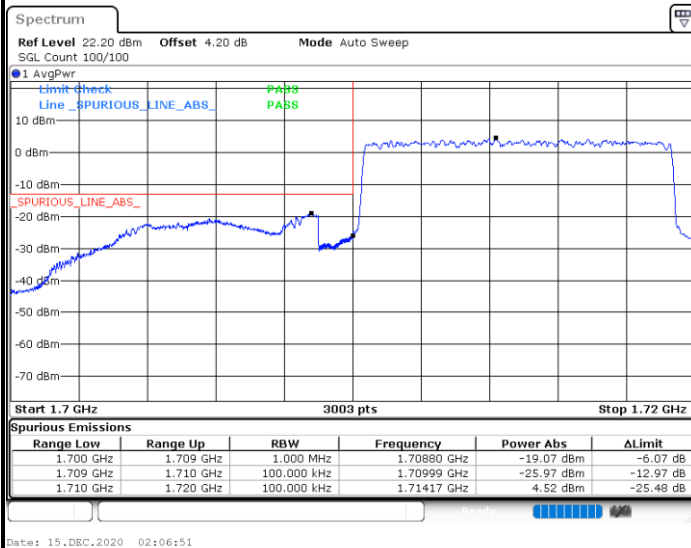
Lowest Band Edge / 1 RB



Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



Channel Power < -13dBm Pass

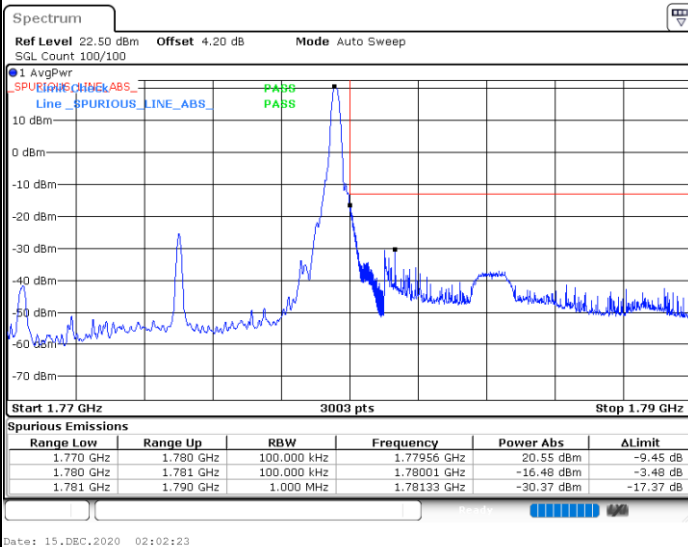
/



FR1 n66 / 10MHz / DFT-S OFDM BPSK

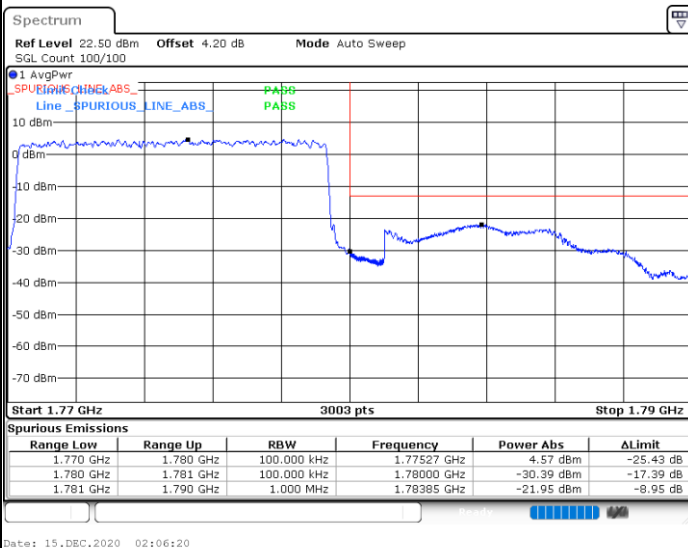
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

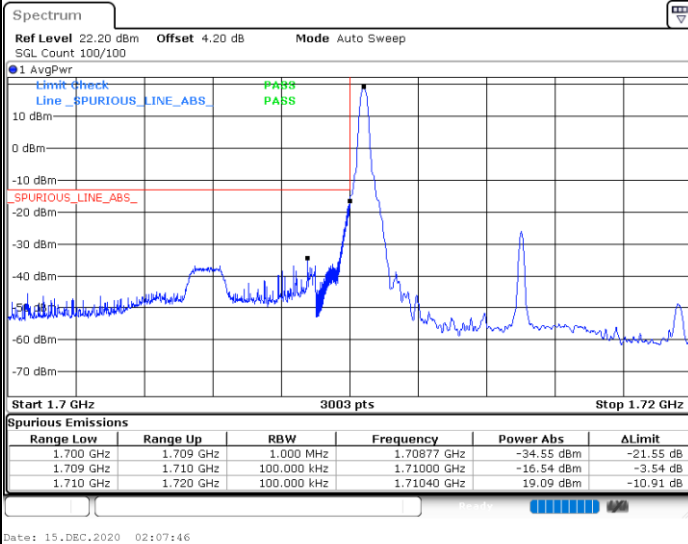




FR1 n66 / 10MHz / DFT-S OFDM QPSK

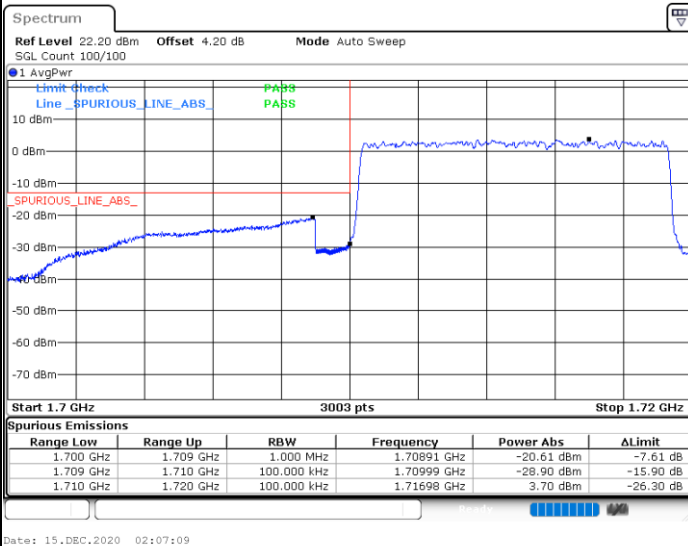
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

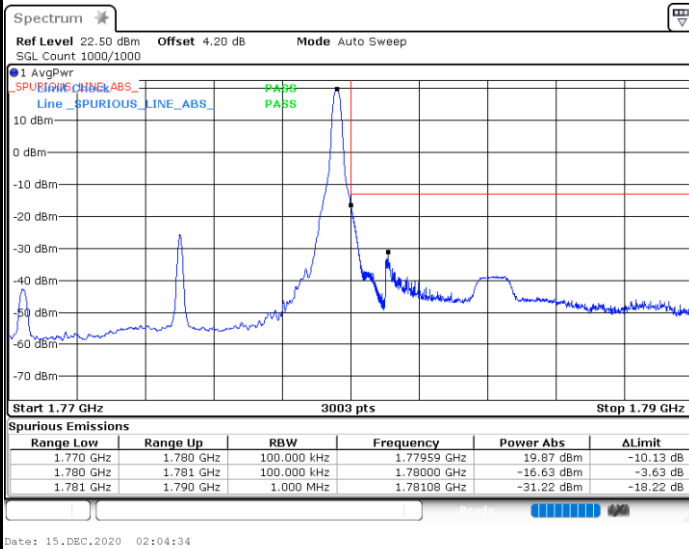




FR1 n66 / 10MHz / DFT-S OFDM QPSK

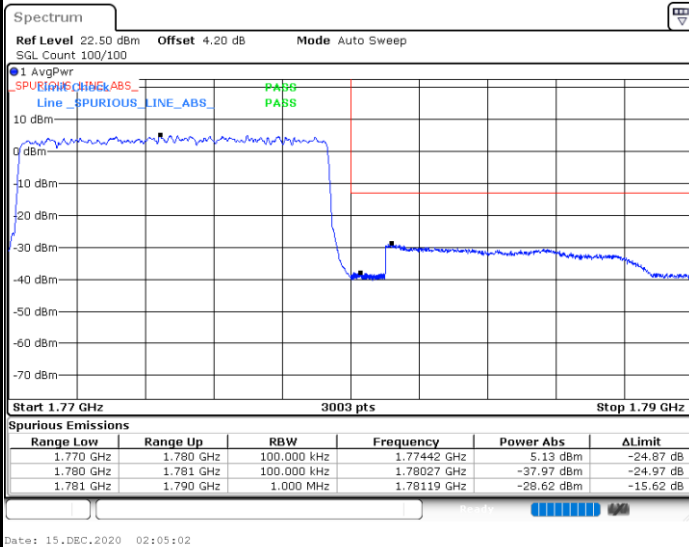
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

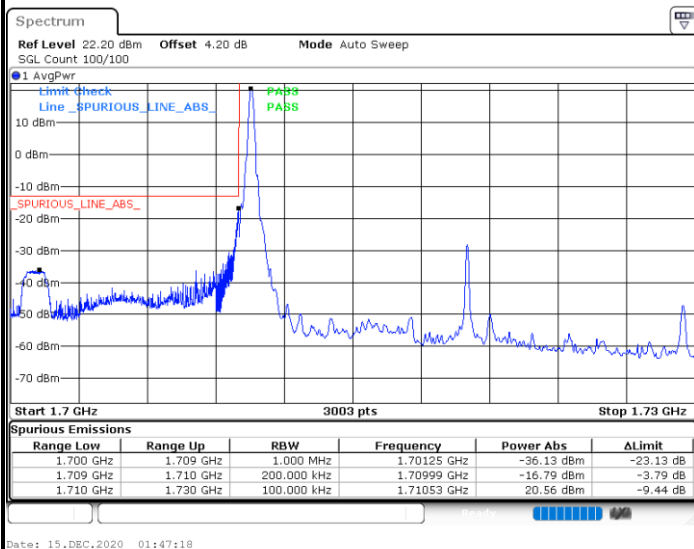




FR1 n66 / 20MHz / DFT-S OFDM BPSK

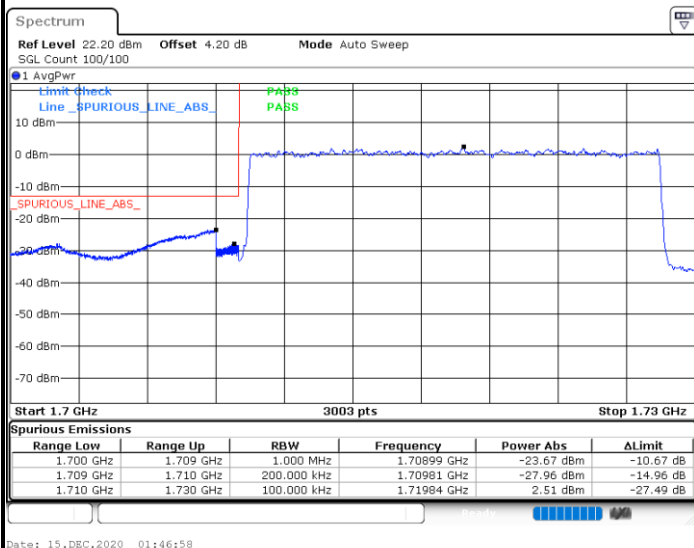
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

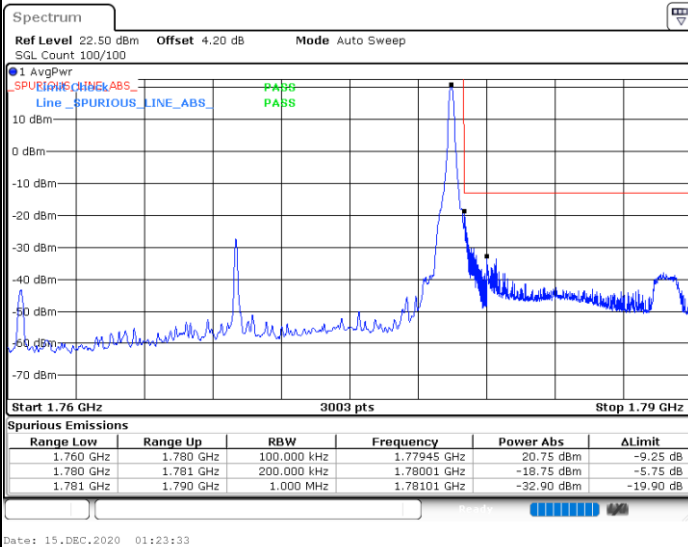




FR1 n66 / 20MHz / DFT-S OFDM BPSK

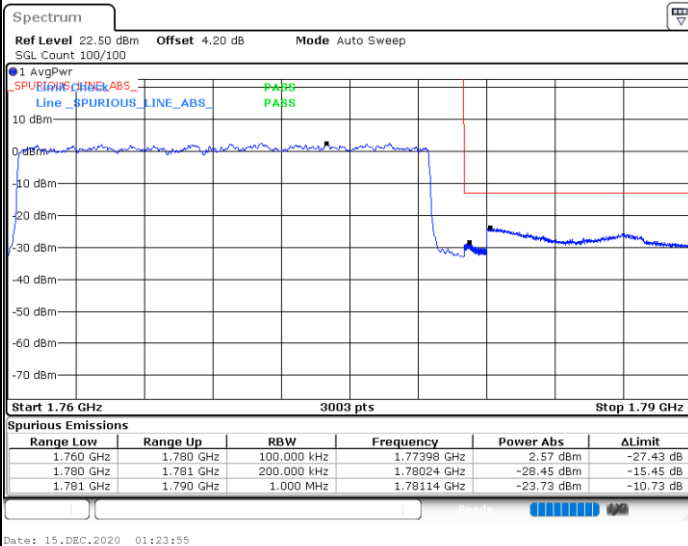
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass

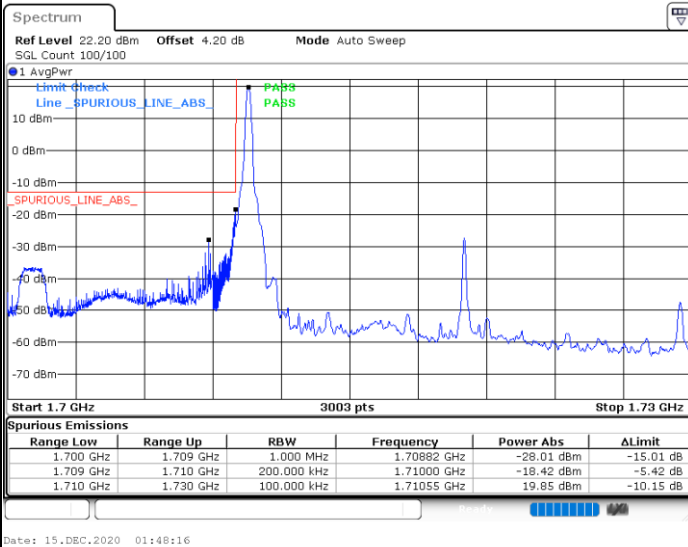




FR1 n66 / 20MHz / DFT-S OFDM QPSK

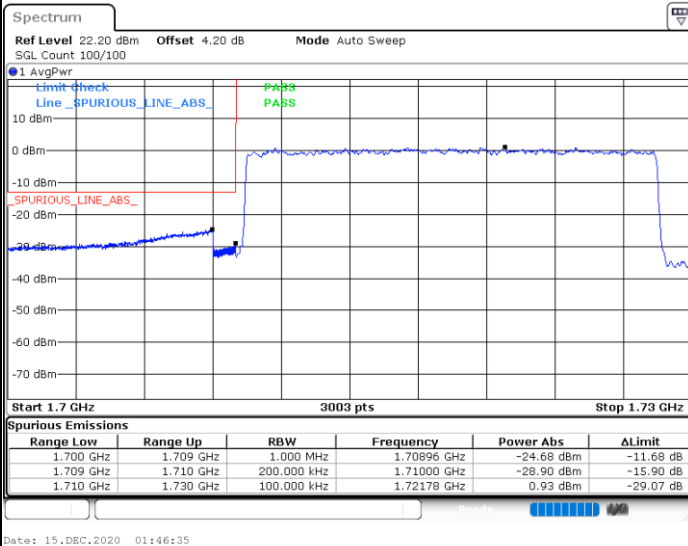
Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



Lowest Band Edge / Full RB

Channel Power < -13dBm Pass

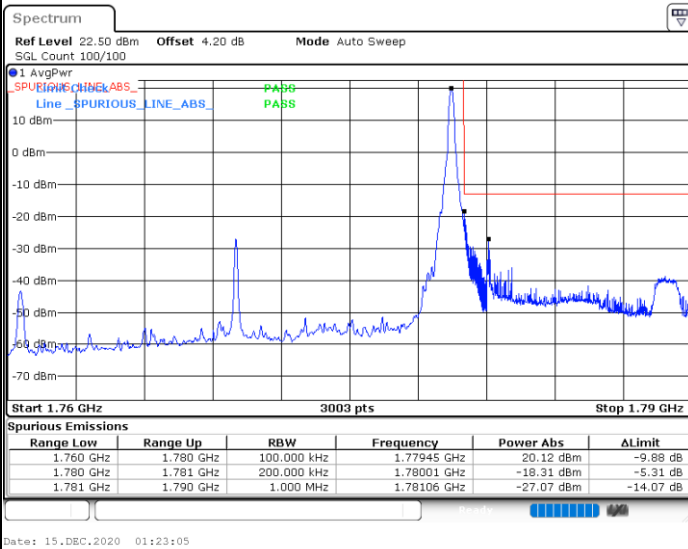




FR1 n66 / 20MHz / DFT-S OFDM QPSK

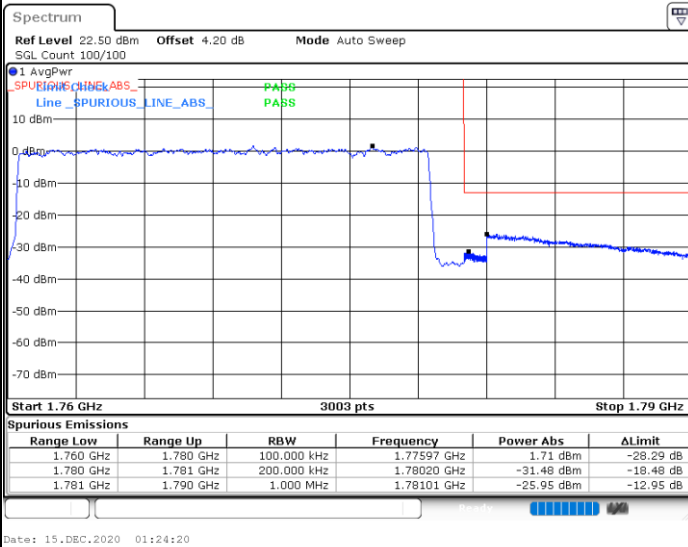
Highest Band Edge / 1 RB

Channel Power < -13dBm Pass



Highest Band Edge / Full RB

Channel Power < -13dBm Pass



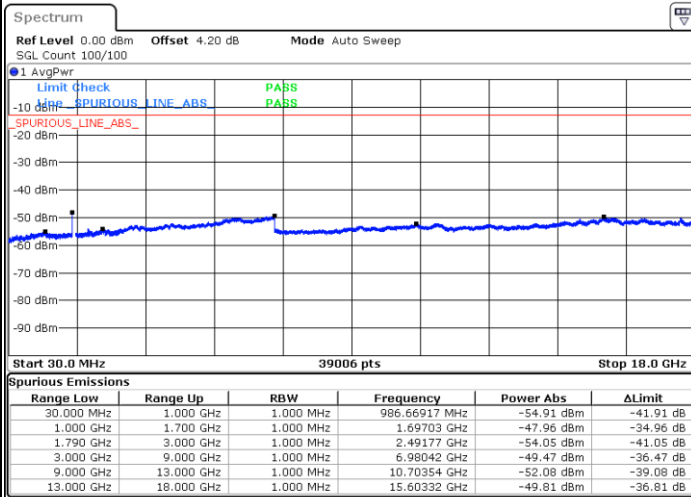


Conducted Spurious Emission

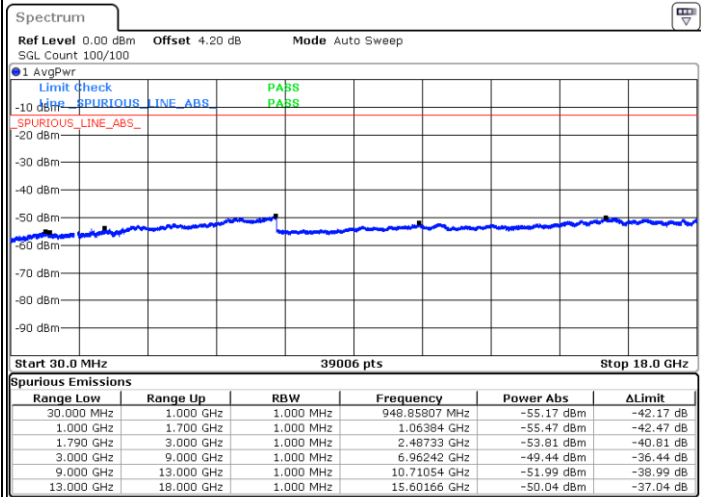
FR1 n66 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

Middle Channel / 1RB

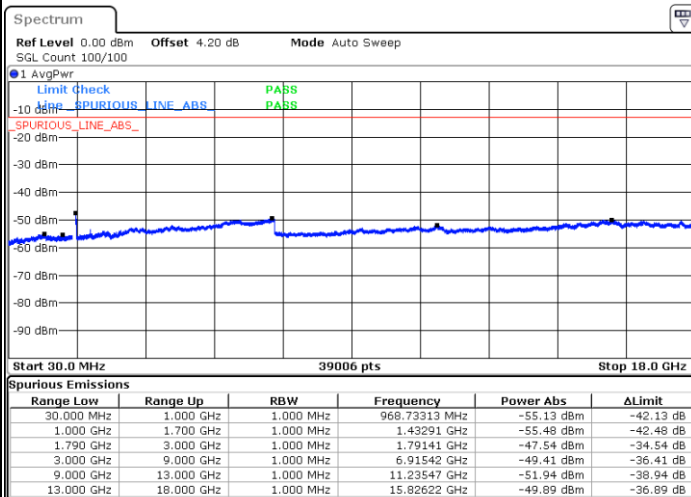


Date: 15.DEC.2020 02:26:05



Date: 15.DEC.2020 02:27:42

Highest Channel / 1RB

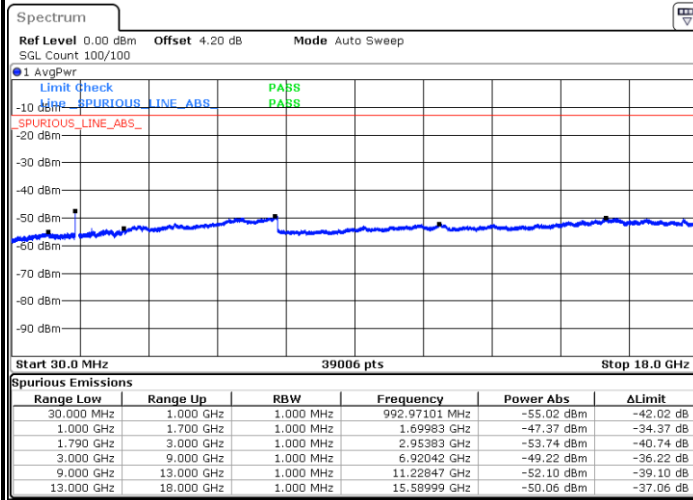


Date: 15.DEC.2020 02:35:09



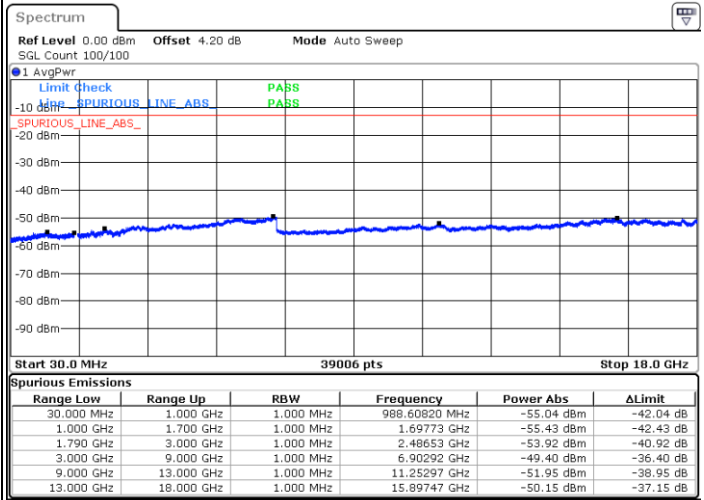
FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



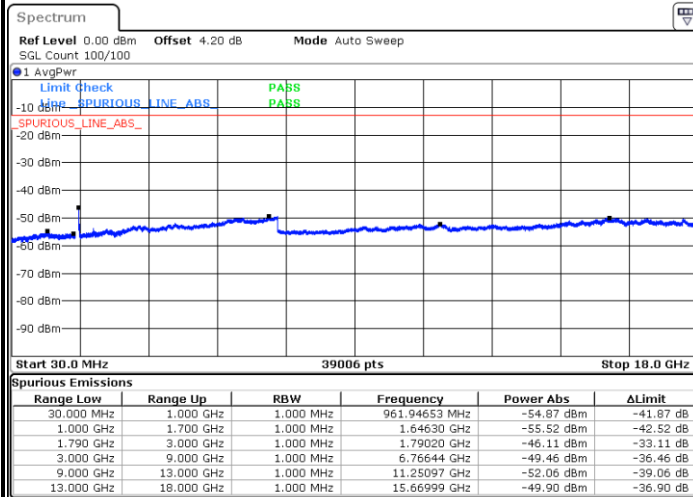
Date: 15.DEC.2020 02:21:32

Middle Channel / 1RB



Date: 15.DEC.2020 02:30:39

Highest Channel / 1RB

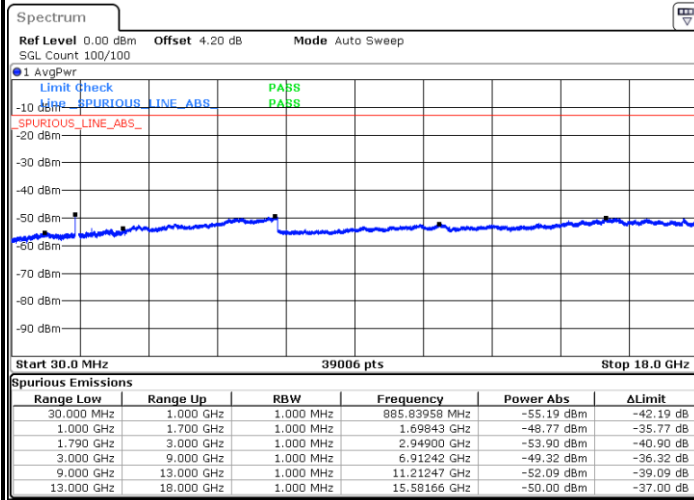


Date: 15.DEC.2020 02:34:03



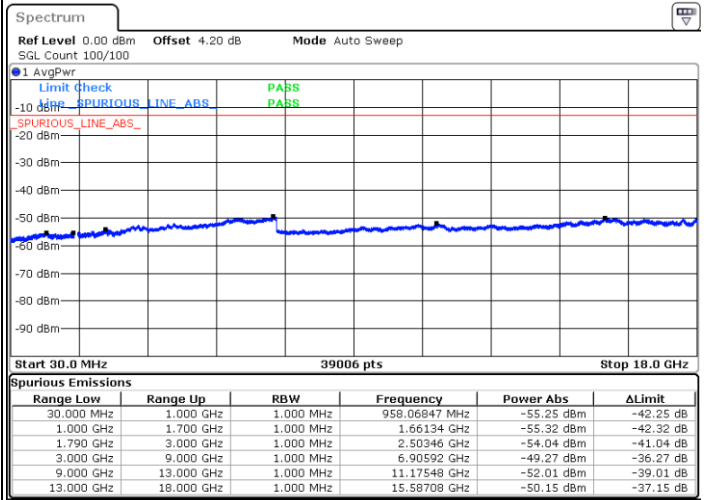
FR1 n66 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



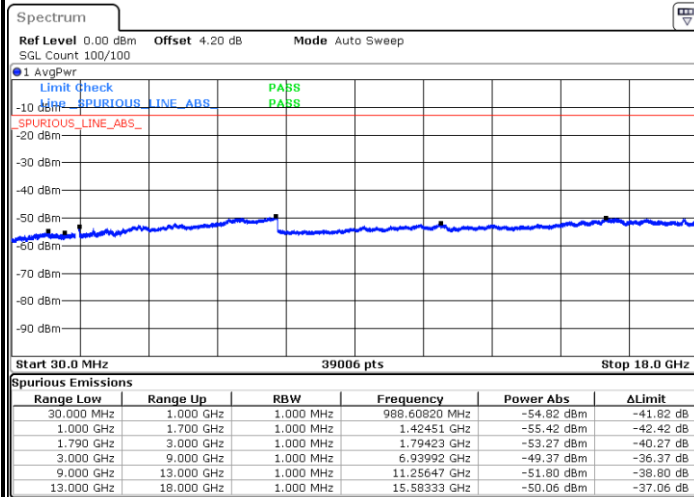
Date: 15.DEC.2020 01:56:22

Middle Channel / 1RB



Date: 15.DEC.2020 01:57:47

Highest Channel / 1RB



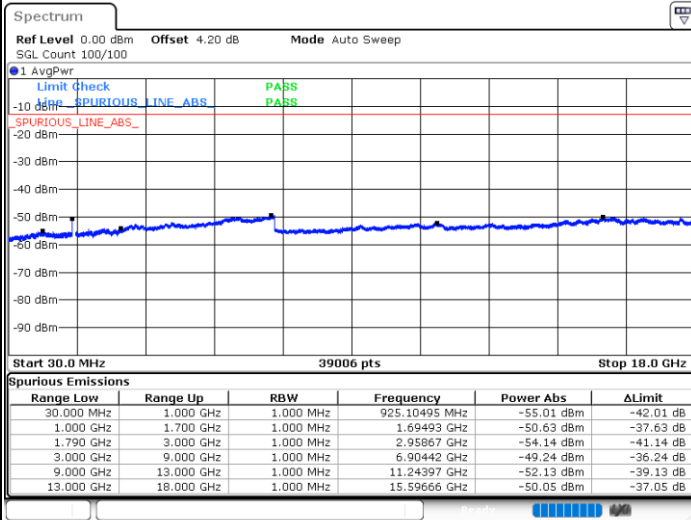
Date: 15.DEC.2020 02:01:53



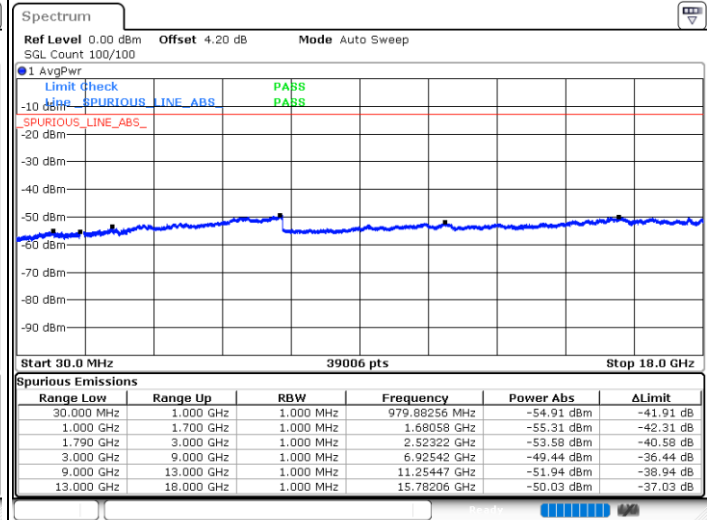
FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

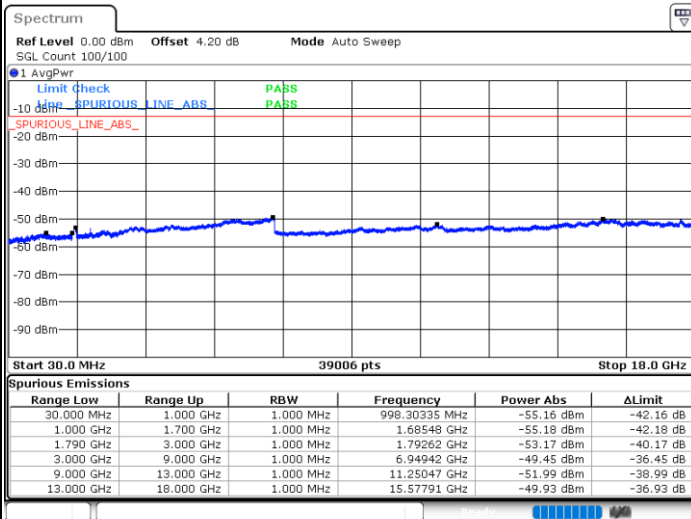


Date: 15.DEC.2020 01:54:21



Date: 15.DEC.2020 01:58:46

Highest Channel / 1RB

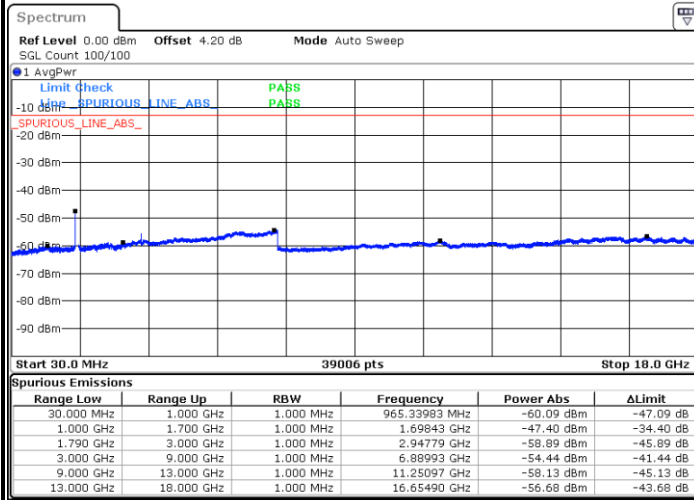


Date: 15.DEC.2020 02:00:34



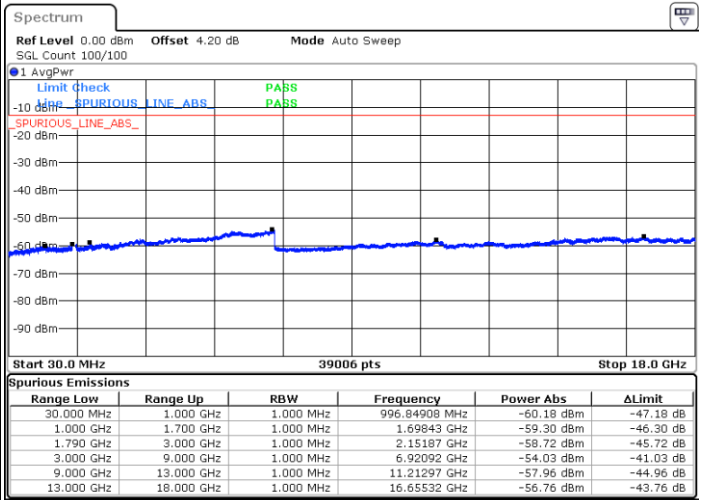
FR1 n66 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



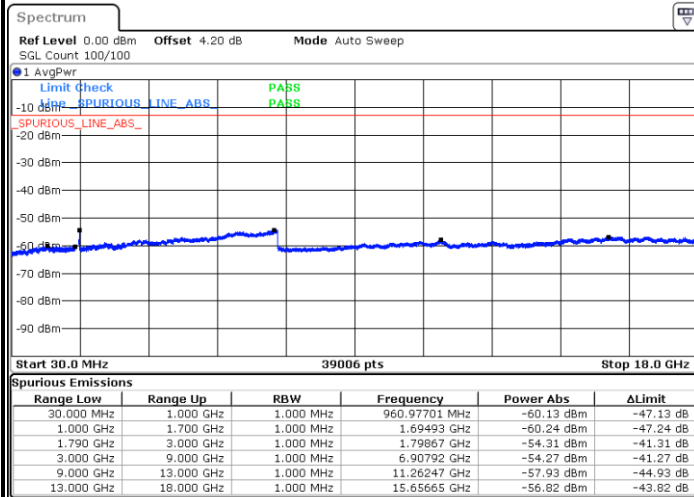
Date: 15.DEC.2020 01:19:08

Middle Channel / 1RB



Date: 15.DEC.2020 01:10:17

Highest Channel / 1RB

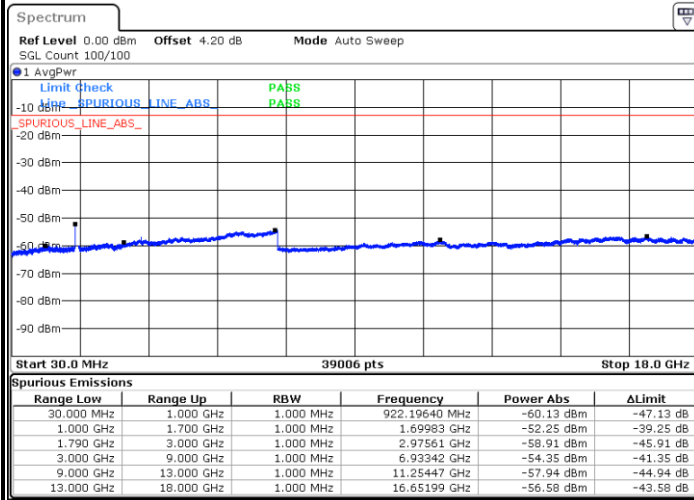


Date: 15.DEC.2020 01:20:58



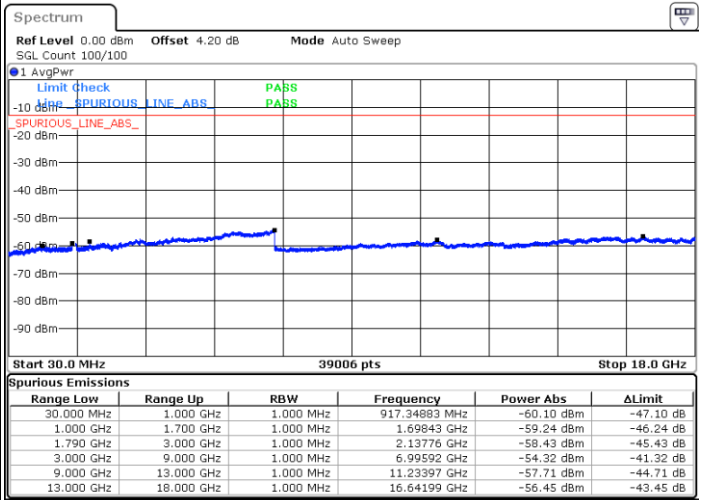
FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



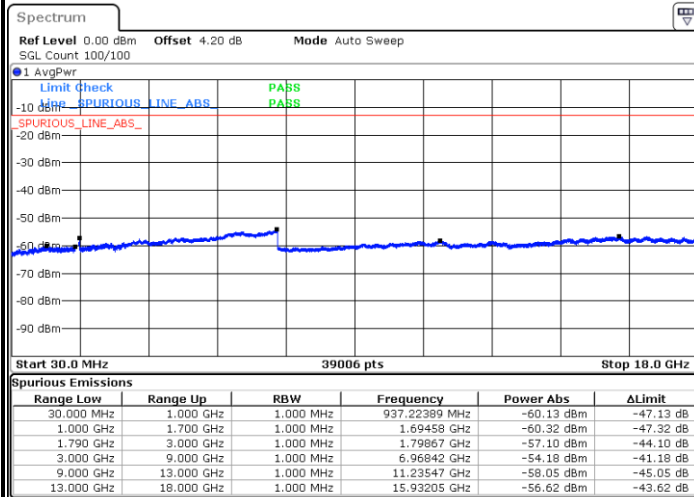
Date: 15.DEC.2020 01:17:58

Middle Channel / 1RB



Date: 15.DEC.2020 01:11:32

Highest Channel / 1RB



Date: 15.DEC.2020 01:22:42

**Frequency Stability**

Test Conditions		NR n66 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission NSA mode

Bottom Antenna

EN-DC_5A_n2A / LTE 10MHz + NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n2 Lowest	3701.50	-61.34	-13	-48.34	-75.88	-68.10	5.82	12.58	H
	5552.25	-60.60	-13	-47.60	-78.13	-66.32	7.28	13.00	H
	7403.00	-54.66	-13	-41.66	-77.37	-57.82	8.32	11.48	H
	3701.50	-61.17	-13	-48.17	-76	-67.93	5.82	12.58	V
	5552.25	-60.78	-13	-47.78	-78.36	-66.50	7.28	13.00	V
	7403.00	-54.65	-13	-41.65	-77.41	-57.81	8.32	11.48	V
LTE Band5 Lowest	1664.08	-66.74	-13	-53.74	-72.99	-72.14	4.00	9.40	H
	2496.27	-63.12	-13	-50.12	-73.41	-68.84	4.88	10.60	H
	3328.36	-63.57	-13	-50.57	-75.74	-70.65	5.52	12.60	H
	1664.08	-66.18	-13	-53.18	-72.2	-71.58	4.00	9.40	V
	2496.27	-57.46	-13	-44.46	-68.09	-63.18	4.88	10.60	V
	3328.36	-62.98	-13	-49.98	-75.56	-70.06	5.52	12.60	V
NR n2 Middle	3741.50	-61.15	-13	-48.15	-75.78	-67.90	5.85	12.60	H
	5612.25	-60.30	-13	-47.30	-78.02	-66.10	7.30	13.10	H
	7483.00	-54.81	-13	-41.81	-77.22	-57.96	8.35	11.50	H
	3741.50	-60.82	-13	-47.82	-75.66	-67.57	5.85	12.60	V
	5612.25	-60.14	-13	-47.14	-77.77	-65.94	7.30	13.10	V
	7483.00	-54.89	-13	-41.89	-77.24	-58.04	8.35	11.50	V
LTE Band5 Middle	1664.08	-66.43	-13	-53.43	-72.68	-71.83	4.00	9.40	H
	2496.27	-63.88	-13	-50.88	-74.17	-69.60	4.88	10.60	H
	3328.36	-63.17	-13	-50.17	-75.34	-70.25	5.52	12.60	H
	1664.08	-65.89	-13	-52.89	-71.91	-71.29	4.00	9.40	V
	2496.27	-63.56	-13	-50.56	-74.19	-69.28	4.88	10.60	V
	3328.36	-62.89	-13	-49.89	-75.47	-69.97	5.52	12.60	V
NR n2 Highest	3781.50	-61.02	-13	-48.02	-75.72	-67.76	5.88	12.62	H
	5672.25	-59.90	-13	-46.90	-77.76	-65.71	7.32	13.13	H
	7563.00	-55.30	-13	-42.30	-77.51	-58.46	8.38	11.54	H
	3781.50	-61.07	-13	-48.07	-75.9	-67.81	5.88	12.62	V
	5672.25	-59.78	-13	-46.78	-77.61	-65.59	7.32	13.13	V
	7563.00	-55.56	-13	-42.56	-77.59	-58.72	8.38	11.54	V
LTE Band5 Highest	1664.18	-66.33	-13	-53.33	-72.58	-71.73	4.00	9.40	H
	2496.27	-63.89	-13	-50.89	-74.18	-69.61	4.88	10.60	H
	3328.36	-63.61	-13	-50.61	-75.78	-70.69	5.52	12.60	H
	1664.18	-65.85	-13	-52.85	-71.87	-71.25	4.00	9.40	V
	2496.27	-63.40	-13	-50.40	-74.03	-69.12	4.88	10.60	V
	3328.36	-63.02	-13	-50.02	-75.6	-70.10	5.52	12.60	V

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



EN-DC 2A_n5A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n5 Lowest	1650	-65.65	-13	-52.65	-71.90	-68.88	3.98	9.36	H
	2475	-63.54	-13	-50.54	-73.88	-67.09	4.85	10.55	H
	3300	-62.88	-13	-49.88	-75.28	-67.81	5.50	12.58	H
	1650	-66.46	-13	-53.46	-72.60	-69.69	3.98	9.36	V
	2475	-63.42	-13	-50.42	-74.12	-66.97	4.85	10.55	V
	3300	-62.33	-13	-49.33	-75.18	-67.26	5.50	12.58	V
LTE Band2 Lowest	3742.18	-61.07	-13	-48.07	-75.67	-67.82	5.85	12.60	H
	5613.27	-60.06	-13	-47.06	-77.17	-65.86	7.30	13.10	H
	7484.36	-54.73	-13	-41.73	-77.39	-57.88	8.35	11.50	H
	3742.18	-61.16	-13	-48.16	-75.87	-67.91	5.85	12.60	V
	5613.27	-57.84	-13	-44.84	-78.09	-63.64	7.30	13.10	V
	7484.36	-55.04	-13	-42.04	-77.27	-58.19	8.35	11.50	V
NR n5 Middle	1654.5	-65.67	-13	-52.67	-71.95	-68.92	4.00	9.40	H
	2481.75	-63.61	-13	-50.61	-73.93	-67.18	4.88	10.60	H
	3309	-62.79	-13	-49.79	-75.12	-67.72	5.52	12.60	H
	1654.5	-66.75	-13	-53.75	-72.88	-70.00	4.00	9.40	V
	2481.75	-63.50	-13	-50.50	-74.18	-67.07	4.88	10.60	V
	3309	-62.06	-13	-49.06	-74.83	-66.99	5.52	12.60	V
LTE Band2 Middle	3742.18	-61.04	-13	-48.04	-75.67	-67.79	5.85	12.60	H
	5613.27	-59.45	-13	-46.45	-77.17	-65.25	7.30	13.10	H
	7484.36	-54.98	-13	-41.98	-77.39	-58.13	8.35	11.50	H
	3742.18	-61.03	-13	-48.03	-75.87	-67.78	5.85	12.60	V
	5613.27	-60.46	-13	-47.46	-78.09	-66.26	7.30	13.10	V
	7484.36	-54.93	-13	-41.93	-77.27	-58.08	8.35	11.50	V
NR n5 Highest	1660	-66.34	-13	-53.34	-72.60	-69.51	4.10	9.42	H
	2490	-63.75	-13	-50.75	-74.05	-67.33	4.90	10.63	H
	3320	-63.16	-13	-50.16	-75.40	-68.08	5.55	12.62	H
	1660	-66.33	-13	-53.33	-72.40	-69.50	4.10	9.42	V
	2490	-63.19	-13	-50.19	-73.83	-66.77	4.90	10.63	V
	3320	-62.86	-13	-49.86	-75.52	-67.78	5.55	12.62	V
LTE Band2 Highest	3742.18	-61.31	-13	-48.31	-75.67	-68.06	5.85	12.60	H
	5613.27	-58.65	-13	-45.65	-77.17	-64.45	7.30	13.10	H
	7484.36	-55.14	-13	-42.14	-77.39	-58.29	8.35	11.50	H
	3742.18	-61.20	-13	-48.20	-75.87	-67.95	5.85	12.60	V
	5613.27	-60.05	-13	-47.05	-78.09	-65.85	7.30	13.10	V
	7484.36	-55.00	-13	-42.00	-77.27	-58.15	8.35	11.50	V

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



EN-DC 12A_n25A / LTE 10MHz + NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n25 Lowest	3701.50	-61.37	-13	-48.37	-75.91	-68.13	5.82	12.58	H
	5552.25	-60.20	-13	-47.20	-77.73	-65.92	7.28	13.00	H
	7403.00	-54.90	-13	-41.90	-77.61	-58.06	8.32	11.48	H
	3701.50	-61.24	-13	-48.24	-76.07	-68.00	5.82	12.58	V
	5552.25	-60.57	-13	-47.57	-78.15	-66.29	7.28	13.00	V
	7403.00	-54.91	-13	-41.91	-77.67	-58.07	8.32	11.48	V
LTE Band12 Lowest	1406	-63.84	-13	-50.84	-71.92	-67.09	4.00	9.40	H
	2109	-64.09	-13	-51.09	-73.85	-67.66	4.88	10.60	H
	2812	-62.16	-13	-49.16	-74.18	-67.09	5.52	12.60	H
	1406	-63.73	-13	-50.73	-71.89	-66.98	4.00	9.40	V
	2109	-63.04	-13	-50.04	-73.17	-66.61	4.88	10.60	V
	2812	-61.90	-13	-48.90	-74.16	-66.83	5.52	12.60	V
NR n25 Middle	3746.50	-60.88	-13	-47.88	-75.51	-67.62	5.88	12.62	H
	5619.75	-60.24	-13	-47.24	-77.96	-66.05	7.32	13.13	H
	7493.00	-55.20	-13	-42.20	-77.55	-58.36	8.38	11.54	H
	3746.50	-60.90	-13	-47.90	-75.74	-67.64	5.88	12.62	V
	5619.75	-60.21	-13	-47.21	-77.84	-66.02	7.32	13.13	V
	7493.00	-55.09	-13	-42.09	-77.36	-58.25	8.38	11.54	V
LTE Band12 Middle	1406	-63.75	-13	-50.75	-71.83	-67.00	4.00	9.40	H
	2109	-63.76	-13	-50.76	-73.52	-67.33	4.88	10.60	H
	2812	-62.17	-13	-49.17	-74.19	-67.10	5.52	12.60	H
	1406	-63.76	-13	-50.76	-71.92	-67.01	4.00	9.40	V
	2109	-63.15	-13	-50.15	-73.28	-66.72	4.88	10.60	V
	2812	-62.08	-13	-49.08	-74.34	-67.01	5.52	12.60	V
NR n25 Highest	3791.36	-61.13	-13	-48.13	-75.84	-67.87	5.88	12.62	H
	5687.04	-57.89	-13	-44.89	-75.80	-63.70	7.32	13.13	H
	7582.72	-55.46	-13	-42.46	-77.64	-58.62	8.38	11.54	H
	3791.36	-61.37	-13	-48.37	-76.2	-68.11	5.88	12.62	V
	5687.04	-59.05	-13	-46.05	-76.97	-64.86	7.32	13.13	V
	7582.72	-55.70	-13	-42.70	-77.67	-58.86	8.38	11.54	V
LTE Band12 Highest	1406	-63.84	-13	-50.84	-71.92	-67.09	4.00	9.40	H
	2109	-63.37	-13	-50.37	-73.13	-66.94	4.88	10.60	H
	2812	-62.39	-13	-49.39	-74.41	-67.32	5.52	12.60	H
	1406	-63.69	-13	-50.69	-71.85	-66.94	4.00	9.40	V
	2109	-62.62	-13	-49.62	-72.75	-66.19	4.88	10.60	V
	2812	-62.09	-13	-49.09	-74.35	-67.02	5.52	12.60	V

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



EN-DC_2A_n66A / LTE 20MHz + NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
NR n66 Lowest	3421.50	-63.17	-13	-50.17	-75.42	-70.05	5.60	12.48	H
	5132.25	-59.66	-13	-46.66	-77.15	-65.34	7.10	12.78	H
	6843.00	-57.68	-13	-44.68	-78.13	-61.07	8.38	11.77	H
	3421.50	-62.74	-13	-49.74	-75.55	-69.62	5.60	12.48	V
	5132.25	-60.02	-13	-47.02	-77.45	-65.70	7.10	12.78	V
	6843.00	-57.77	-13	-44.77	-77.97	-61.16	8.38	11.77	V
LTE Band2 Lowest	3742.18	-60.92	-13	-47.92	-75.55	-67.67	5.85	12.60	H
	5613.27	-60.28	-13	-47.28	-78.00	-66.08	7.30	13.10	H
	7484.36	-55.00	-13	-42.00	-77.41	-58.15	8.35	11.50	H
	3742.18	-61.12	-13	-48.12	-75.96	-67.87	5.85	12.60	V
	5613.27	-60.32	-13	-47.32	-77.95	-66.12	7.30	13.10	V
	7484.36	-55.29	-13	-42.29	-77.63	-58.44	8.35	11.50	V
NR n66 Middle	3471.50	-62.94	-13	-49.94	-75.76	-69.79	5.65	12.50	H
	5207.25	-59.89	-13	-46.89	-77.36	-65.56	7.13	12.80	H
	6943.00	-56.82	-13	-43.82	-77.73	-60.22	8.40	11.80	H
	3471.50	-62.44	-13	-49.44	-75.8	-69.29	5.65	12.50	V
	5207.25	-59.93	-13	-46.93	-77.35	-65.60	7.13	12.80	V
	6943.00	-56.35	-13	-43.35	-77.3	-59.75	8.40	11.80	V
LTE Band2 Middle	3742.18	-61.35	-13	-48.35	-75.98	-68.10	5.85	12.60	H
	5613.27	-60.19	-13	-47.19	-77.91	-65.99	7.30	13.10	H
	7484.36	-54.89	-13	-41.89	-77.30	-58.04	8.35	11.50	H
	3742.18	-61.13	-13	-48.13	-75.97	-67.88	5.85	12.60	V
	5613.27	-60.15	-13	-47.15	-77.78	-65.95	7.30	13.10	V
	7484.36	-55.09	-13	-42.09	-77.43	-58.24	8.35	11.50	V
NR n66 Highest	3521.5	-62.28	-13	-49.28	-75.67	-69.12	5.68	12.52	H
	5282.25	-60.92	-13	-47.92	-77.88	-66.59	7.15	12.82	H
	7043	-56.10	-13	-43.10	-77.43	-59.53	8.42	11.85	H
	3521.5	-61.73	-13	-48.73	-75.65	-68.57	5.68	12.52	V
	5282.25	-60.80	-13	-47.80	-77.81	-66.47	7.15	12.82	V
	7043	-55.89	-13	-42.89	-77.39	-59.32	8.42	11.85	V
LTE Band2 Highest	3742.18	-61.13	-13	-48.13	-75.76	-67.88	5.85	12.60	H
	5613.27	-60.22	-13	-47.22	-77.94	-66.02	7.30	13.10	H
	7484.36	-55.22	-13	-42.22	-77.63	-58.37	8.35	11.50	H
	3742.18	-61.00	-13	-48.00	-75.84	-67.75	5.85	12.60	V
	5613.27	-60.10	-13	-47.10	-77.73	-65.90	7.30	13.10	V
	7484.36	-55.34	-13	-42.34	-77.68	-58.49	8.35	11.50	V

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

**Radiated Spurious Emission SA mode****Bottom Antenna**

5G NR n2 / NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3701.50	-52.20	-13	-39.20	-75.20	-58.96	5.82	12.58	H
	5552.25	-55.60	-13	-42.60	-80.01	-61.32	7.28	13.00	H
	7403.00	-52.66	-13	-39.66	-79.41	-55.82	8.32	11.48	H
	3701.50	-51.83	-13	-38.83	-76.52	-58.59	5.82	12.58	V
	5552.25	-54.94	-13	-41.94	-79.78	-60.66	7.28	13.00	V
	7403.00	-52.88	-13	-39.88	-79.6	-56.04	8.32	11.48	V
Middle	3741.50	-52.56	-13	-39.56	-75.45	-59.31	5.85	12.60	H
	5612.25	-55.20	-13	-42.20	-79.48	-61.00	7.30	13.10	H
	7483.00	-53.39	-13	-40.39	-79.85	-56.54	8.35	11.50	H
	3741.50	-50.38	-13	-37.38	-75.28	-57.13	5.85	12.60	V
	5612.25	-54.50	-13	-41.50	-79.63	-60.30	7.30	13.10	V
	7483.00	-53.39	-13	-40.39	-79.83	-56.54	8.35	11.50	V
Highest	3781.50	-53.10	-13	-40.10	-76.33	-59.84	5.88	12.62	H
	5672.25	-55.21	-13	-42.21	-79.53	-61.02	7.32	13.13	H
	7563.00	-53.76	-13	-40.76	-79.90	-56.92	8.38	11.54	H
	3781.50	-52.30	-13	-39.30	-77.02	-59.04	5.88	12.62	V
	5672.25	-54.70	-13	-41.70	-79.31	-60.51	7.32	13.13	V
	7563.00	-53.55	-13	-40.55	-79.68	-56.71	8.38	11.54	V

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



5G NR n5 / NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1650	-62.64	-13	-49.64	-74.20	-65.87	3.98	9.36	H
	2475	-57.23	-13	-44.23	-75.87	-60.78	4.85	10.55	H
	3300	-56.47	-13	-43.47	-77.25	-61.40	5.50	12.58	H
	1650	-62.19	-13	-49.19	-74.39	-65.42	3.98	9.36	V
	2475	-57.22	-13	-44.22	-76.18	-60.77	4.85	10.55	V
	3300	-55.69	-13	-42.69	-77.36	-60.62	5.50	12.58	V
Middle	1654.5	-62.64	-13	-49.64	-74.20	-65.89	4.00	9.40	H
	2481.75	-57.23	-13	-44.23	-75.87	-60.80	4.88	10.60	H
	3309	-56.47	-13	-43.47	-77.35	-61.40	5.52	12.60	H
	1654.5	-62.19	-13	-49.19	-74.39	-65.44	4.00	9.40	V
	2481.75	-57.22	-13	-44.22	-76.18	-60.79	4.88	10.60	V
	3309	-55.71	-13	-42.71	-77.29	-60.64	5.52	12.60	V
Highest	1660	-62.99	-13	-49.99	-74.64	-66.16	4.10	9.42	H
	2490	-57.34	-13	-44.34	-76.11	-60.92	4.90	10.63	H
	3320	-56.93	-13	-43.93	-77.81	-61.85	5.55	12.62	H
	1660	-62.32	-13	-49.32	-74.64	-65.49	4.10	9.42	V
	2490	-57.35	-13	-44.35	-76.38	-60.93	4.90	10.63	V
	3320	-56.61	-13	-43.61	-78.19	-61.53	5.55	12.62	V

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



5G NR n25 / NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3701.50	-52.47	-13	-39.47	-75.47	-59.23	5.82	12.58	H
	5552.25	-55.42	-13	-42.42	-79.83	-61.14	7.28	13.00	H
	7403.00	-52.90	-13	-39.90	-79.65	-56.06	8.32	11.48	H
	3701.50	-50.80	-13	-37.80	-75.49	-57.56	5.82	12.58	V
	5552.25	-55.07	-13	-42.07	-79.91	-60.79	7.28	13.00	V
	7403.00	-51.94	-13	-38.94	-78.66	-55.10	8.32	11.48	V
Middle	3746.50	-52.83	-13	-39.83	-75.17	-59.57	5.88	12.62	H
	5619.75	-55.61	-13	-42.61	-79.81	-61.42	7.32	13.13	H
	7493.00	-53.71	-13	-40.71	-80.11	-56.87	8.38	11.54	H
	3746.50	-47.71	-13	-34.71	-73.21	-54.45	5.88	12.62	V
	5619.75	-54.86	-13	-41.86	-79.56	-60.67	7.32	13.13	V
	7493.00	-53.64	-13	-40.64	-80.03	-56.80	8.38	11.54	V
Highest	3791.36	-53.66	-13	-40.66	-76.89	-60.40	5.88	12.62	H
	5687.04	-54.96	-13	-41.96	-79.38	-60.77	7.32	13.13	H
	7582.72	-53.64	-13	-40.64	-79.72	-56.80	8.38	11.54	H
	3791.36	-51.48	-13	-38.48	-76.2	-58.22	5.88	12.62	V
	5687.04	-54.73	-13	-41.73	-79.5	-60.54	7.32	13.13	V
	7582.72	-53.51	-13	-40.51	-79.59	-56.67	8.38	11.54	V

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



5G NR n66 / NR 20MHz / QPSK DFT-s-OFDM									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3421.00	-54.19	-13	-41.19	-74.77	-61.07	5.60	12.48	H
	5131.50	-55.27	-13	-42.27	-78.96	-60.95	7.10	12.78	H
	6842.00	-54.21	-13	-41.21	-79.82	-57.60	8.38	11.77	H
	3421.00	-54.16	-13	-41.16	-75.94	-61.04	5.60	12.48	V
	5131.50	-54.60	-13	-41.60	-79.03	-60.28	7.10	12.78	V
	6842.00	-52.25	-13	-39.25	-79.69	-55.64	8.38	11.77	V
Middle	3471.50	-56.17	-13	-43.17	-78.12	-63.02	5.65	12.50	H
	5207.25	-54.89	-13	-41.89	-79.05	-60.56	7.13	12.80	H
	6943.00	-53.98	-13	-40.98	-79.69	-57.38	8.40	11.80	H
	3471.50	-55.69	-13	-42.69	-77.44	-62.54	5.65	12.50	V
	5207.25	-54.39	-13	-41.39	-78.82	-60.06	7.13	12.80	V
	6943.00	-53.33	-13	-40.33	-79.77	-56.73	8.40	11.80	V
Highest	3521.50	-54.72	-13	-41.72	-77.05	-61.56	5.68	12.52	H
	5282.25	-54.33	-13	-41.33	-78.77	-60.00	7.15	12.82	H
	7043.00	-52.83	-13	-39.83	-78.71	-56.26	8.42	11.85	H
	3471.50	-55.20	-13	-42.20	-76.95	-62.04	5.68	12.52	V
	5207.25	-54.02	-13	-41.02	-78.45	-59.69	7.15	12.82	V
	6943.00	-52.80	-13	-39.80	-79.24	-56.23	8.42	11.85	V

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