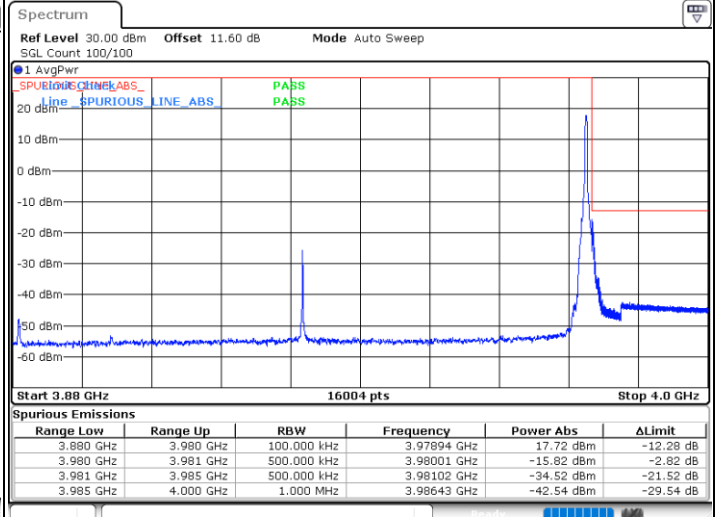
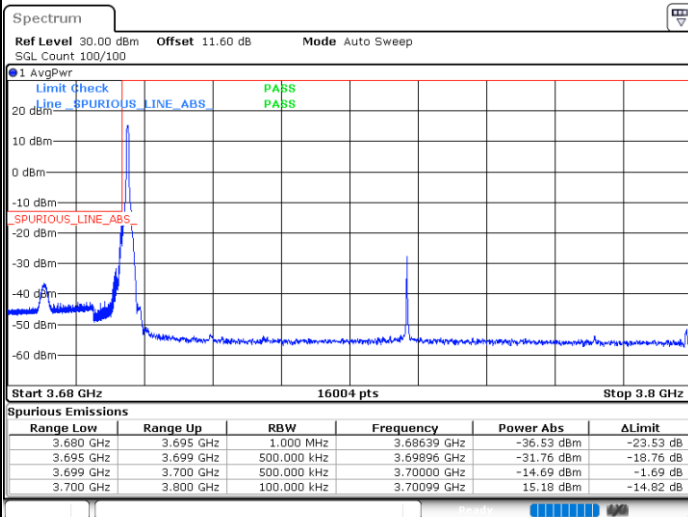




FR1 n77 / 100MHz / DFT-S OFDM / QPSK

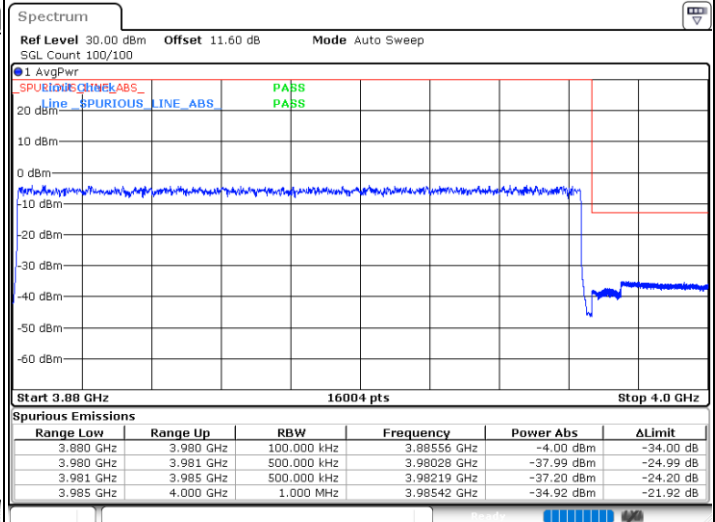
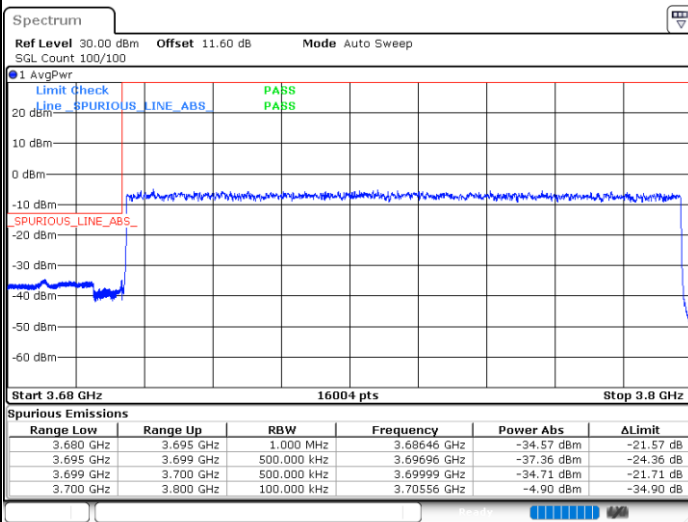
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

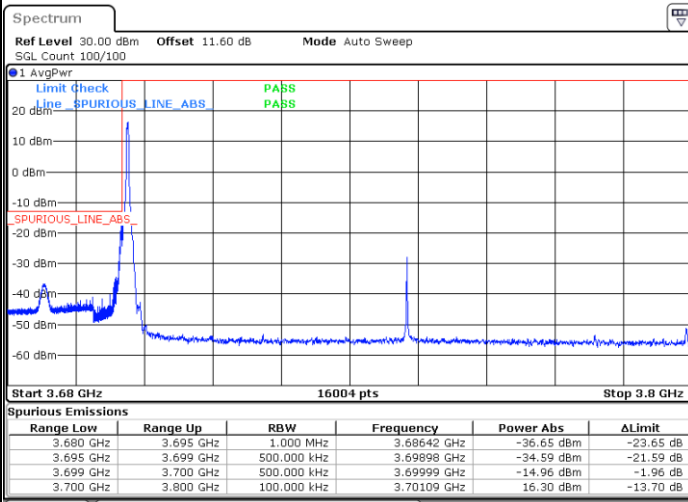




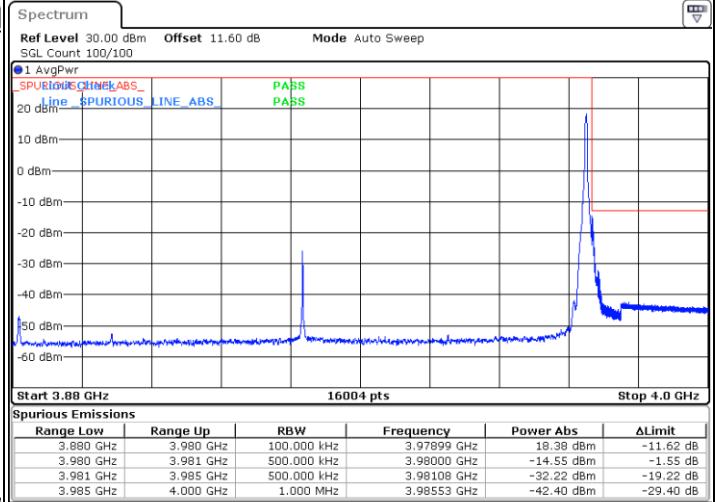
FR1 n77 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



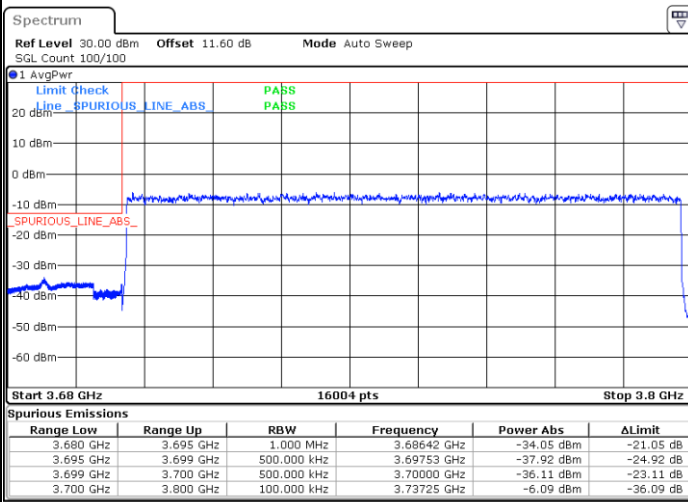
Date: 15.MAR.2021 16:57:29



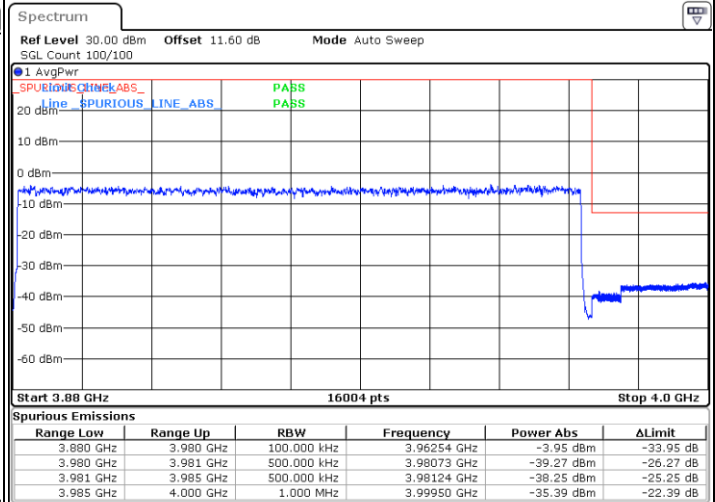
Date: 15.MAR.2021 17:16:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.MAR.2021 16:50:41



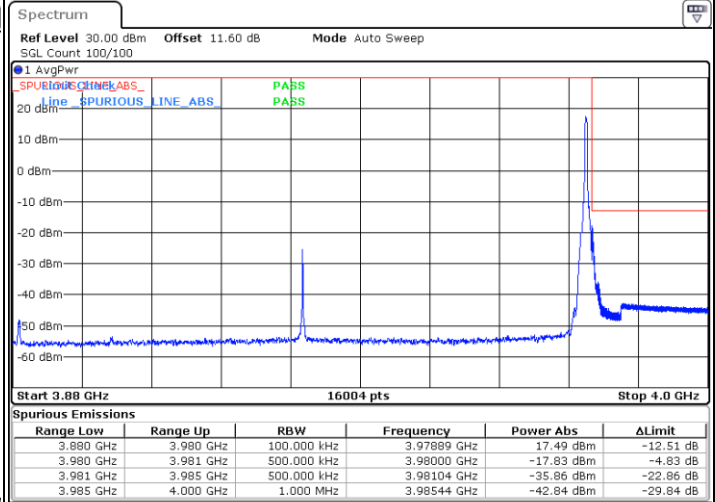
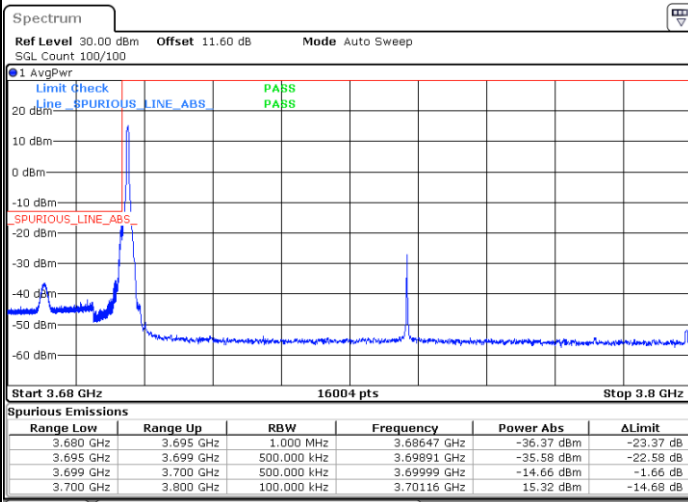
Date: 15.MAR.2021 17:19:05



FR1 n77 / 100MHz / DFT-S OFDM / 64QAM

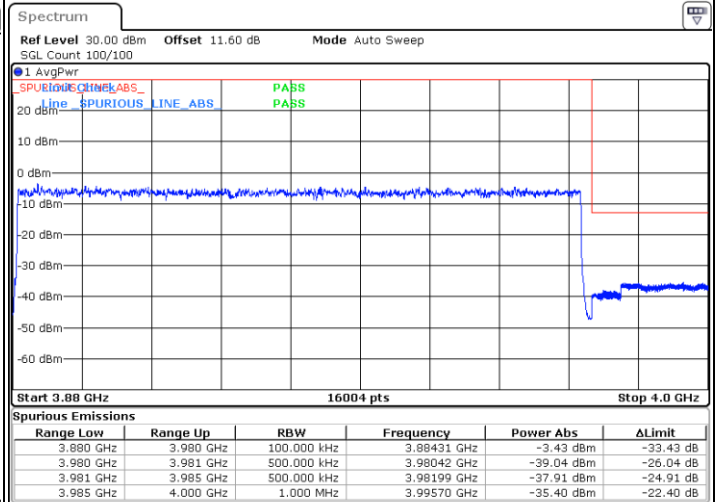
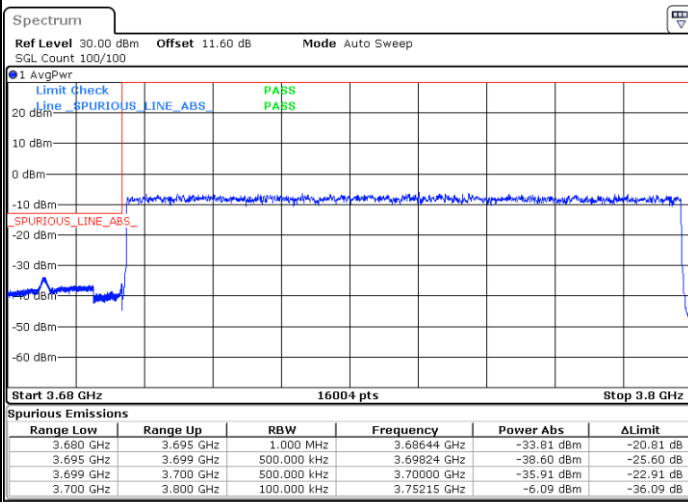
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

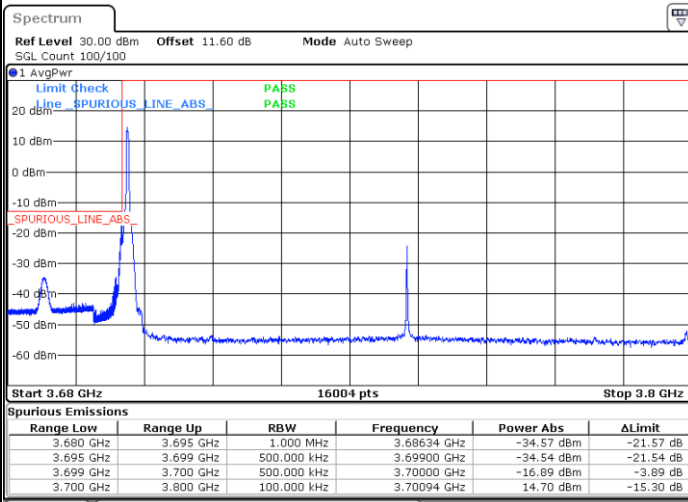




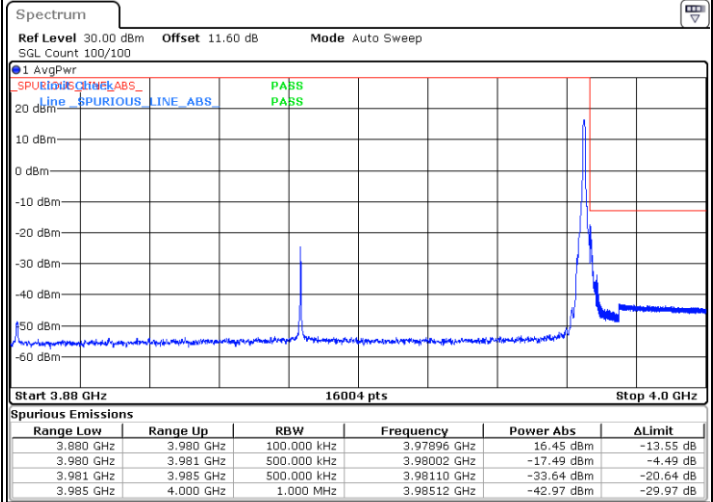
FR1 n77 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



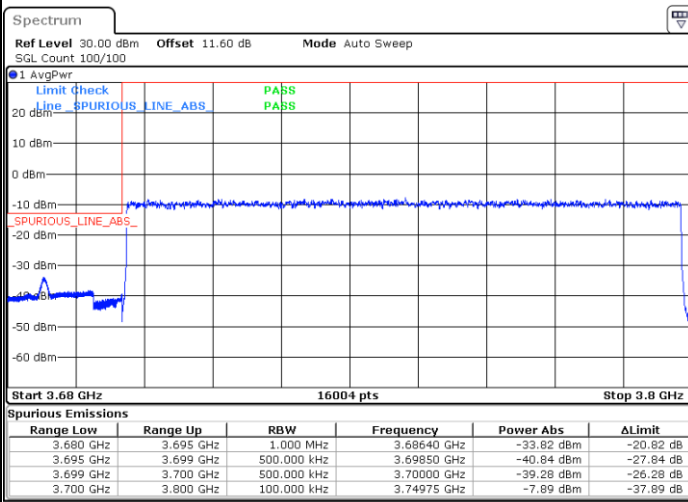
Date: 15.MAR.2021 16:56:37



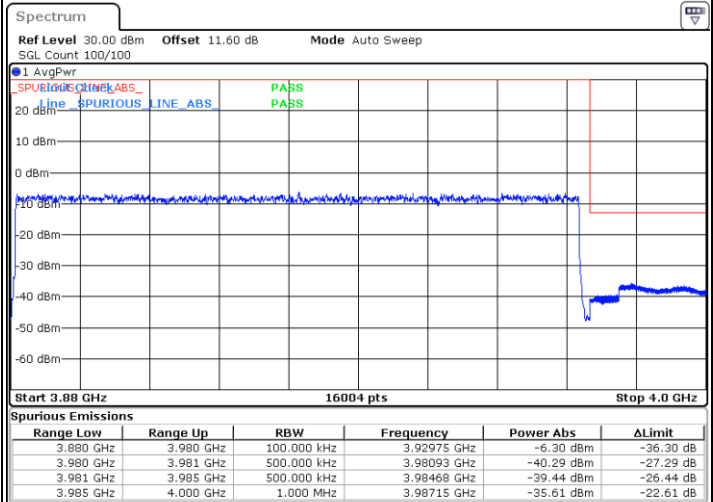
Date: 15.MAR.2021 17:17:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.MAR.2021 16:56:06

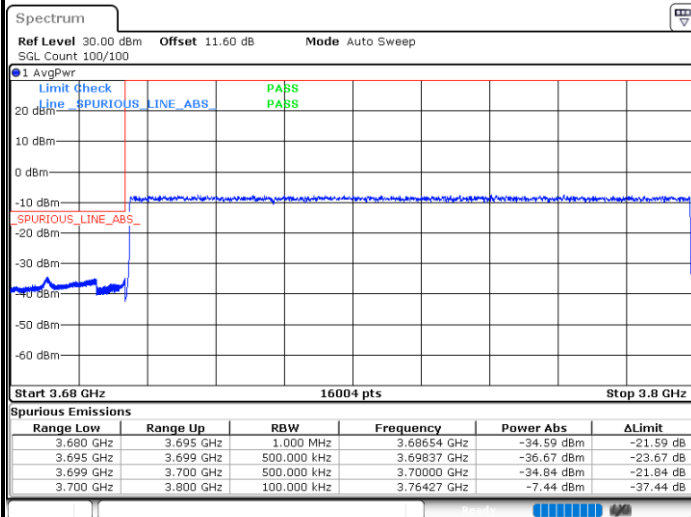


Date: 15.MAR.2021 17:18:07



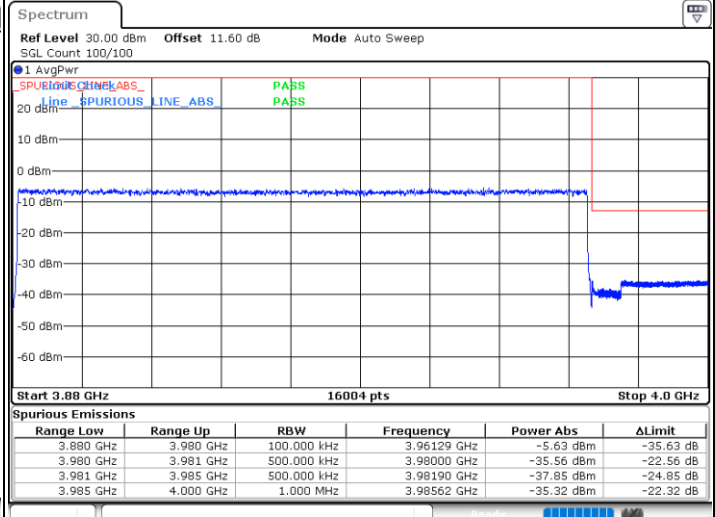
FR1 n77 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Date: 15.MAR.2021 16:59:48

Highest Band Edge



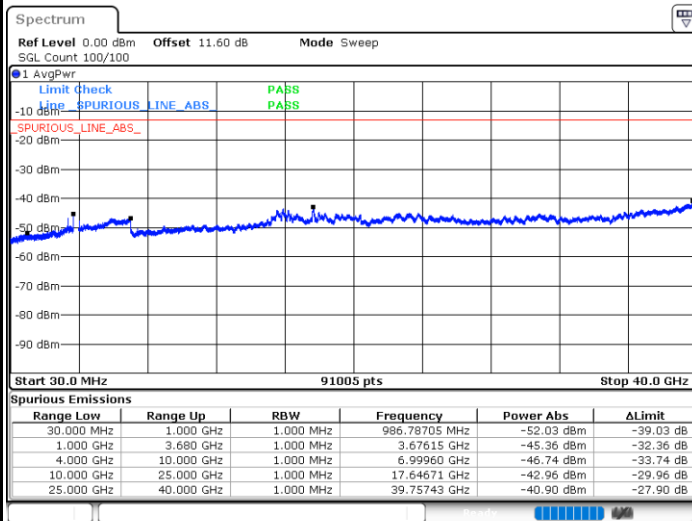
Date: 15.MAR.2021 17:21:35



Conducted Spurious Emission

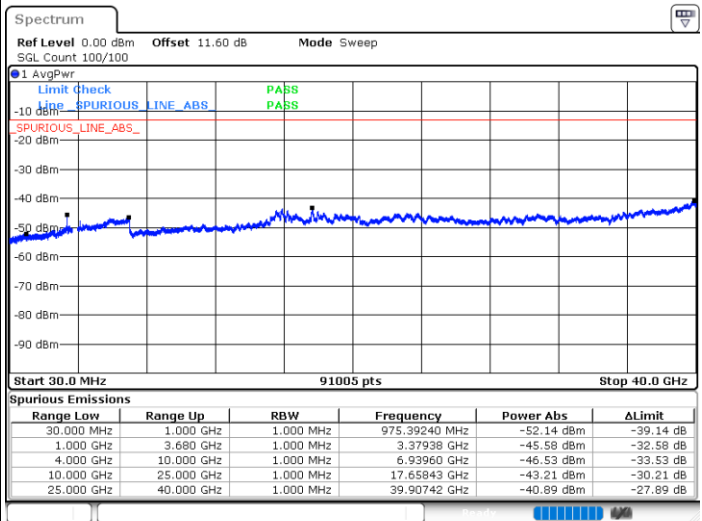
FR1 n77 / 40MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



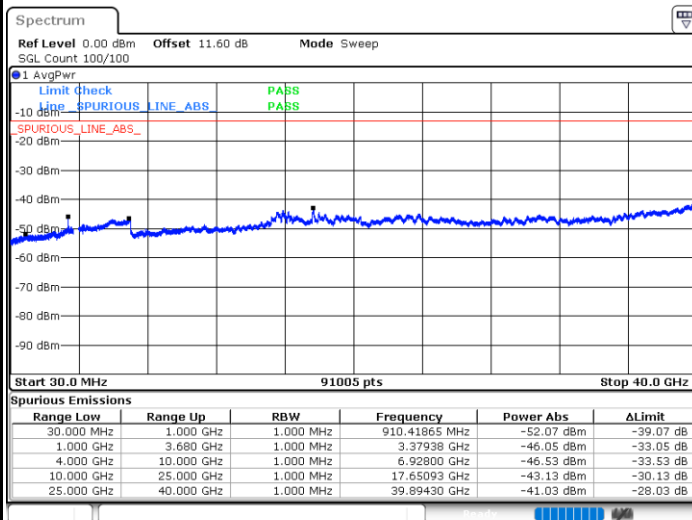
Date: 19.MAR.2021 13:59:16

Middle Channel



Date: 19.MAR.2021 14:04:13

Highest Channel



Date: 19.MAR.2021 14:01:03

Frequency Stability

Test Conditions		FR1 n77 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0064	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0055	
20	Normal Voltage	0.0063	
20	Battery End Point	0.0040	

Note:

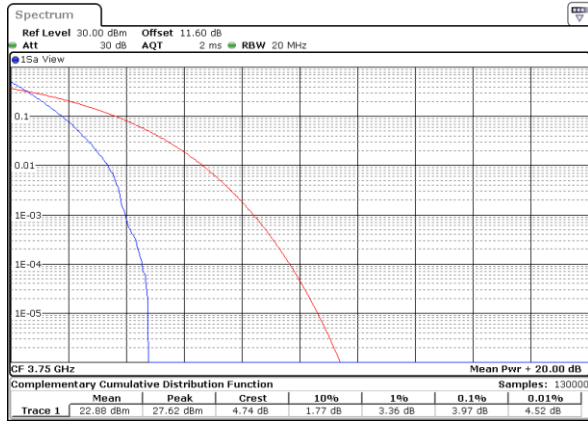
1. Normal Voltage =48 V. ; Battery End Point (BEP) =43 V. ; Maximum Voltage =58 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

**FR1 n78****Peak-to-Average Ratio**

Mode	FR1 n78 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.97	5.48	6.20	6.43	PASS
Mode	FR1 n78 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.61				PASS

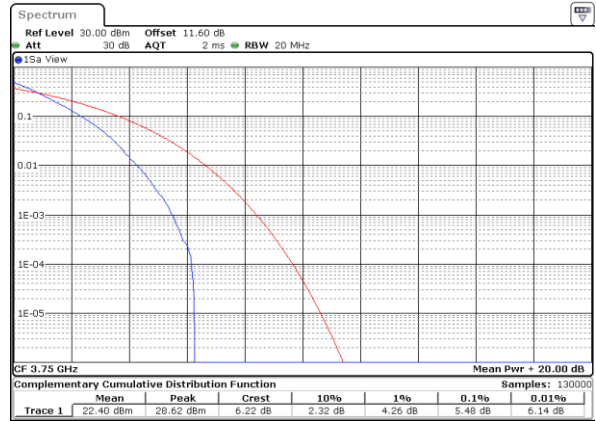
FR1 n78 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



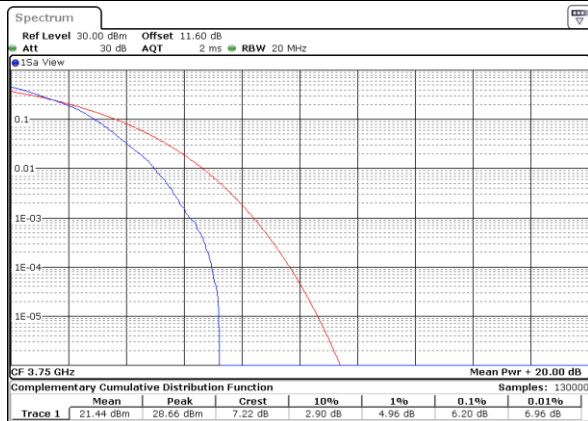
Date: 19.MAR.2021 10:03:14

QPSK



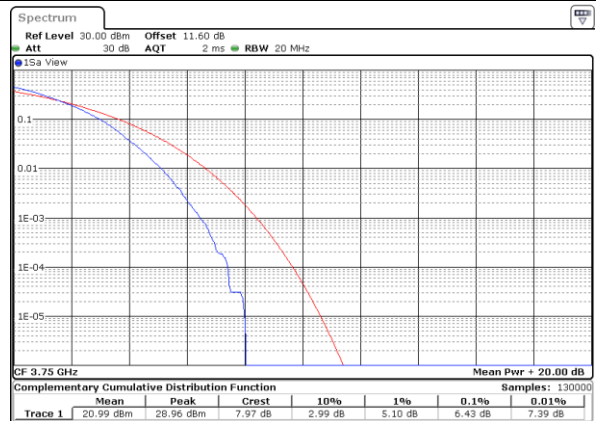
Date: 19.MAR.2021 10:02:59

16QAM



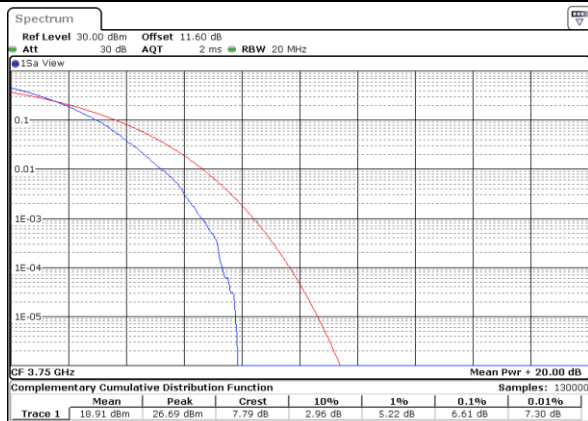
Date: 19.MAR.2021 10:02:44

64QAM



Date: 19.MAR.2021 10:02:22

256QAM



Date: 19.MAR.2021 10:02:01

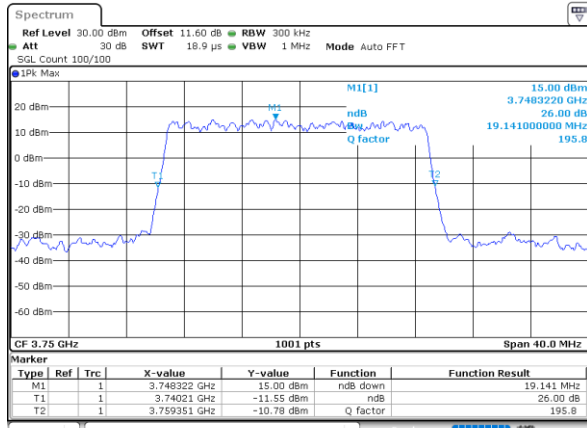
**26dB Bandwidth**

Mode	FR1 n78 : 26dB BW(MHz) / DFT-S OFDM							
BW	20MHz							
Mod.	PI/2 BPSK							
Middle CH	19.14							

Mode	FR1 n78 : 26dB BW(MHz) / CP OFDM							
BW	20MHz							
Mod.	QPSK	16QAM						
Middle CH	19.38	19.34						
Mod.	64QAM	256QAM						
Middle CH	19.42	19.42						

FR1 n78 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

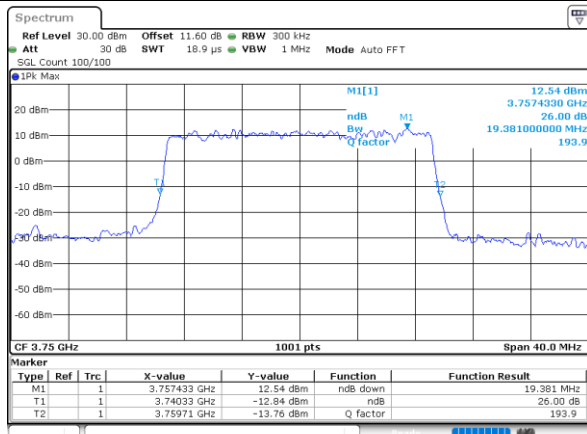
PI/2 BPSK



Date: 19.MAR.2021 10:03:28

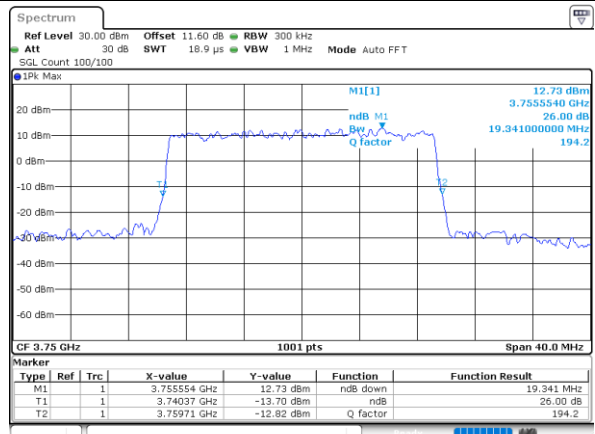
FR1 n78 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



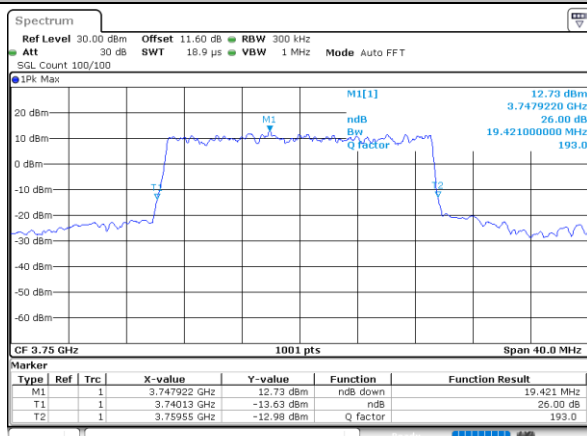
Date: 19.MAR.2021 10:00:37

16QAM



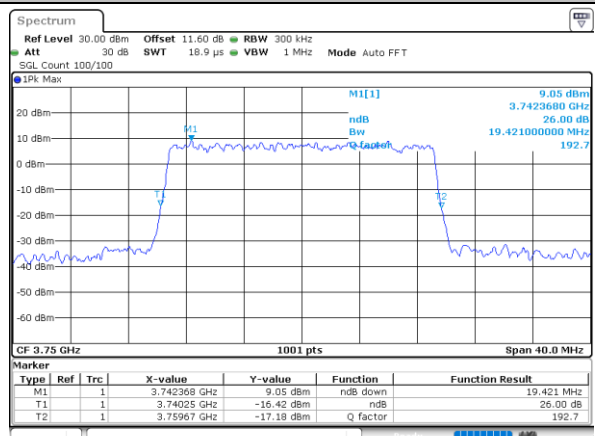
Date: 19.MAR.2021 10:00:58

64QAM



Date: 19.MAR.2021 10:01:18

256QAM

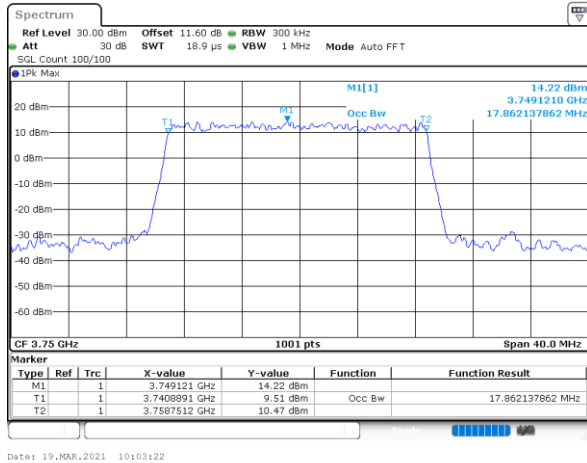
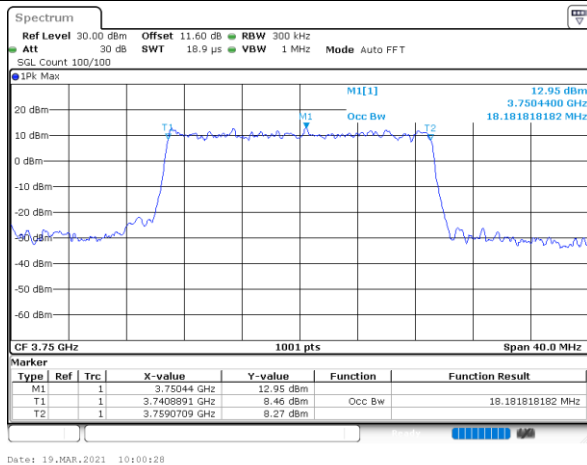
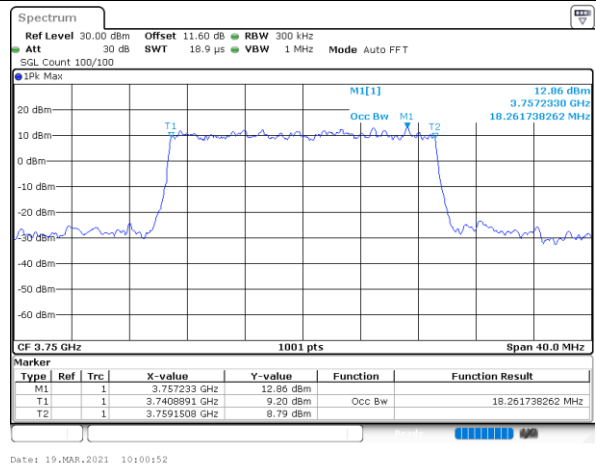
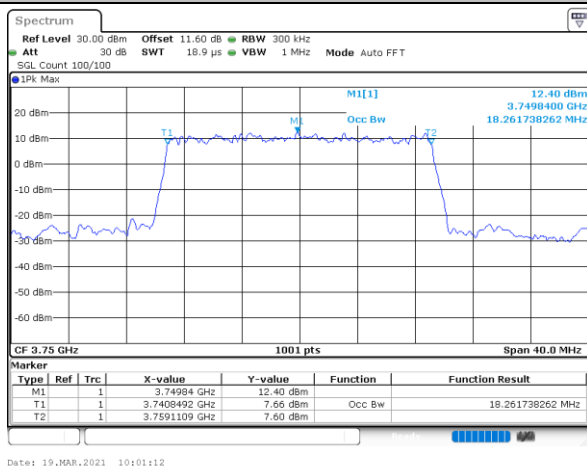
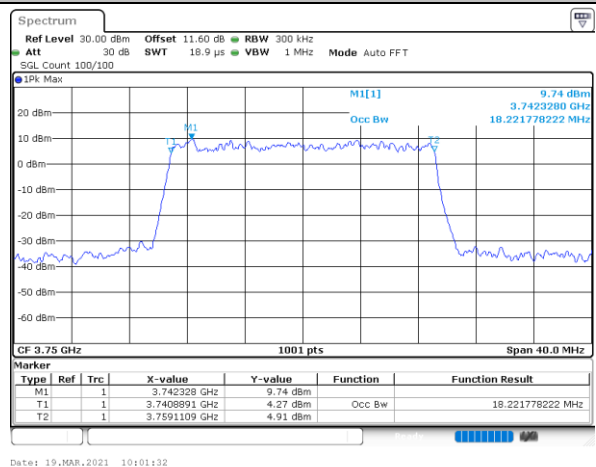


Date: 19.MAR.2021 10:01:38

**Occupied Bandwidth**

Mode	FR1 n78 : OB BW(MHz) / DFT-S OFDM							
BW	20MHz							
Mod.	PI/2 BPSK							
Middle CH	17.86							

Mode	FR1 n78 : OB BW(MHz) / CP OFDM							
BW	20MHz							
Mod.	QPSK	16QAM						
Middle CH	18.18	18.26						
Mod.	64QAM	256QAM						
Middle CH	18.26	18.22						

FR1 n78 / 20MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n78 / 20MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


**EIRP Power Density**

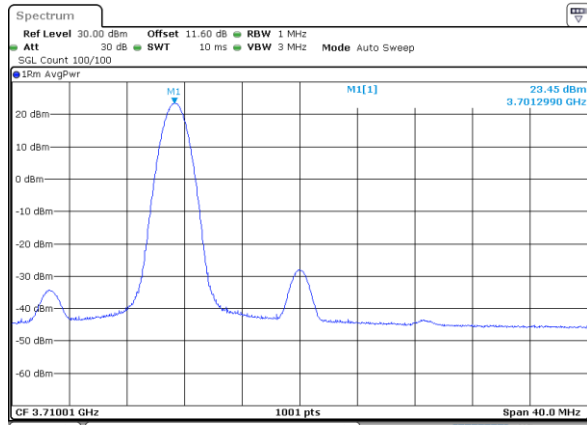
Mode	FR1 n78 : Conducted Power Density (dBm/MHz)											
BW	20MHz											
Mod.	PI/2 BPSK 1RB1	PI/2 BPSK Full	QPSK 1RB1	QPSK Full								
Lowest CH	23.45	11.42	23.36	11								
Middle CH	23.60	11.78	23.59	11.57								
Highest CH	24.07	12.39	24.14	11.99								

Mode	FR1 n78 : EIRP Power Density (W /MHz)											
BW	20MHz											
Mod.	PI/2 BPSK 1RB1	PI/2 BPSK Full	QPSK 1RB1	QPSK Full								
Lowest CH	4.7315	0.2965	4.6345	0.2692								
Middle CH	4.8978	0.3221	4.8865	0.3069								
Highest CH	5.4576	0.3707	5.5463	0.3381								
Antenna Gain	13.3 dBi											
Limit	1640W / MHz											
Result	Pass											



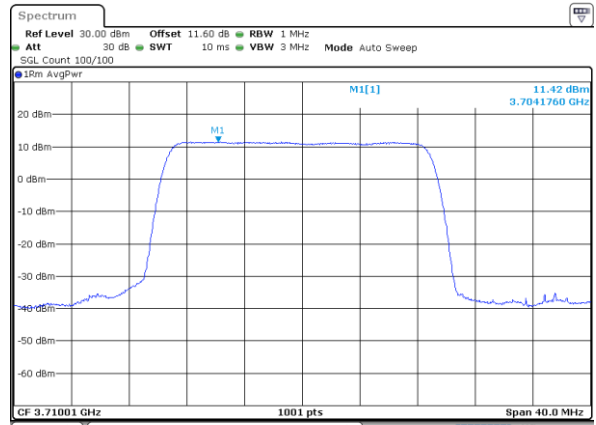
FR1 n78 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest PSD / 1RB1



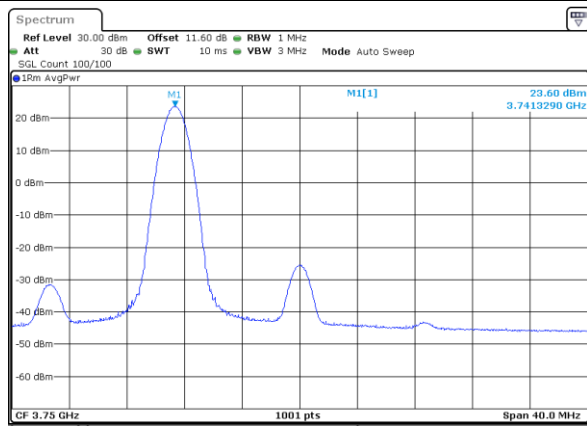
Date: 19.MAR.2021 09:58:56

Lowest PSD / Full



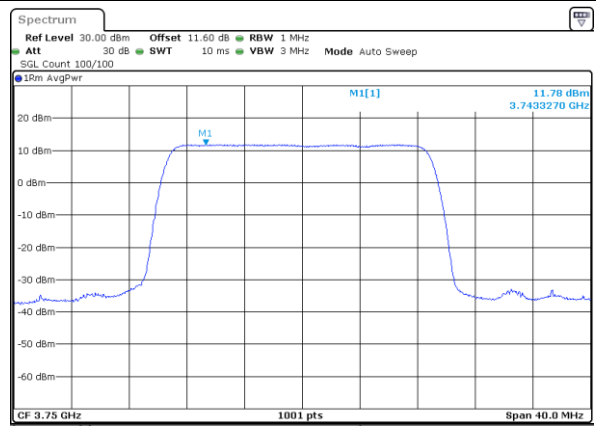
Date: 19.MAR.2021 09:57:30

Middle PSD / 1RB1



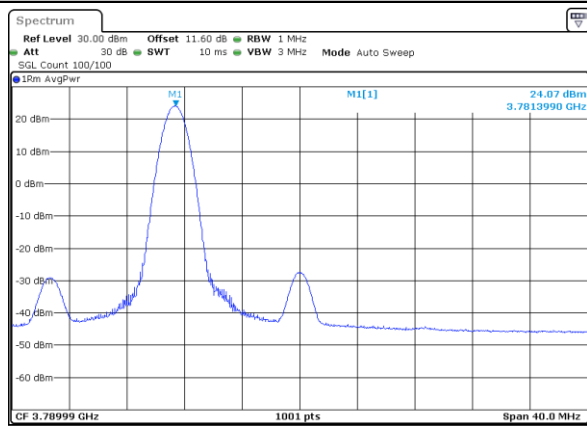
Date: 19.MAR.2021 10:06:48

Middle PSD / Full



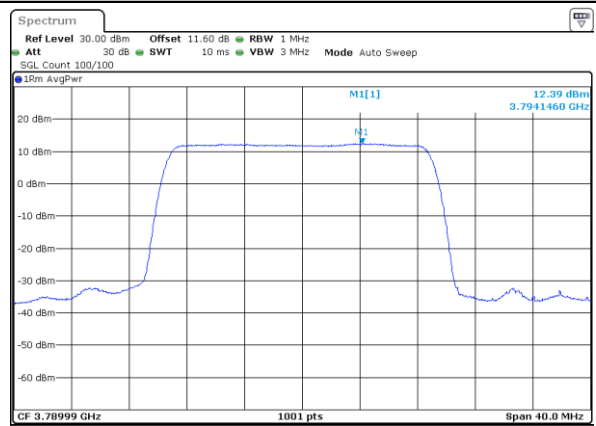
Date: 19.MAR.2021 10:07:08

Highest PSD / 1RB1



Date: 19.MAR.2021 10:11:01

Highest PSD / Full

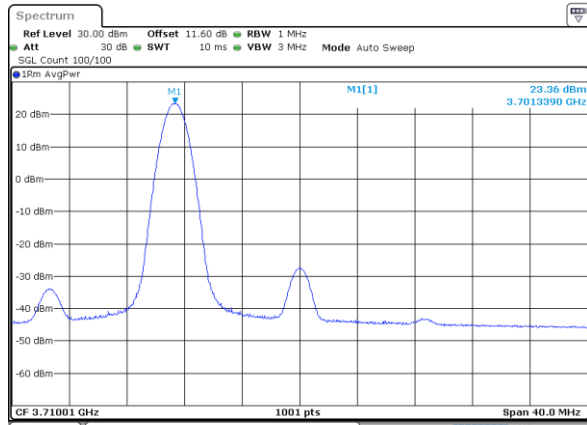


Date: 19.MAR.2021 15:42:47



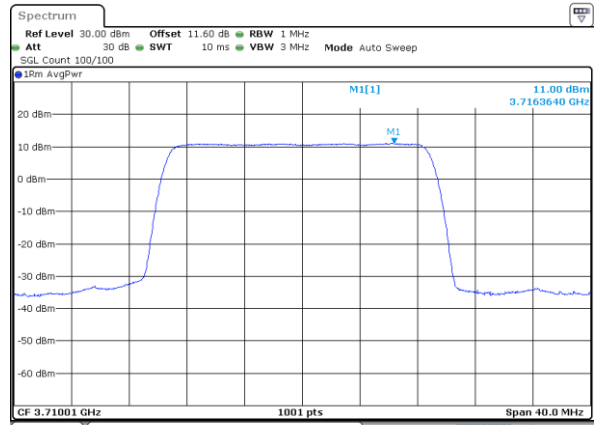
FR1 n78 / 20MHz / DFT-S OFDM / PI/2 QPSK

Lowest PSD / 1RB1



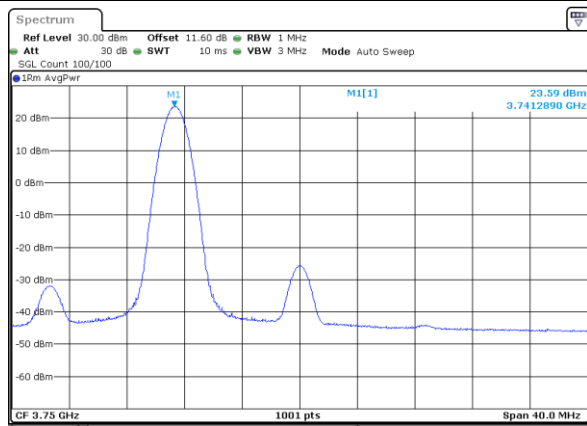
Date: 19.MAR.2021 09:58:31

Lowest PSD / Full



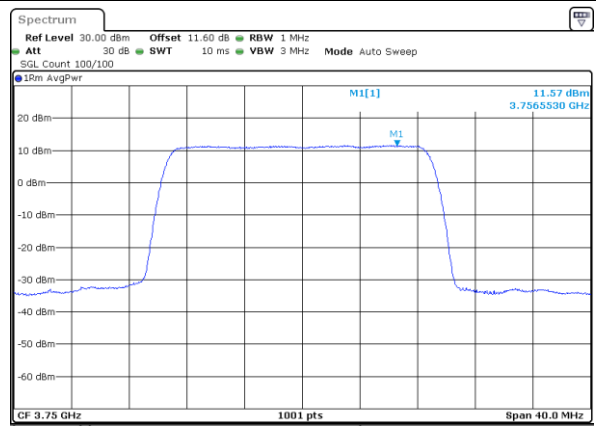
Date: 19.MAR.2021 09:58:03

Middle PSD / 1RB1



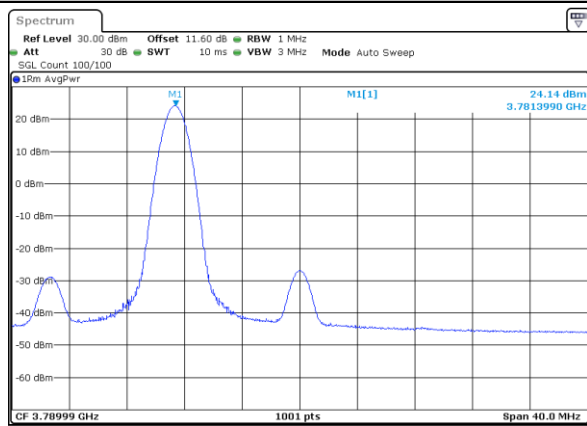
Date: 19.MAR.2021 10:05:05

Middle PSD / Full



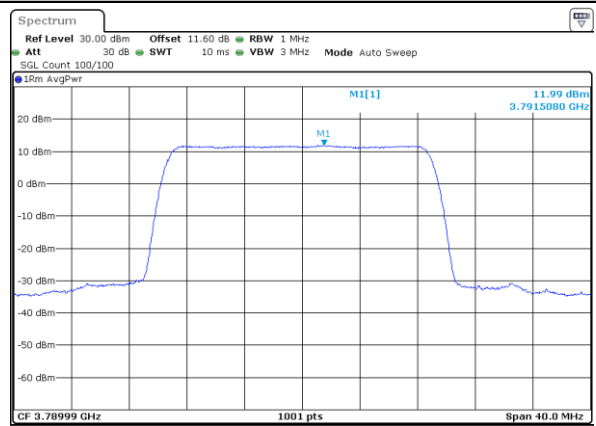
Date: 19.MAR.2021 10:07:29

Highest PSD / 1RB1



Date: 19.MAR.2021 10:10:35

Highest PSD / Full



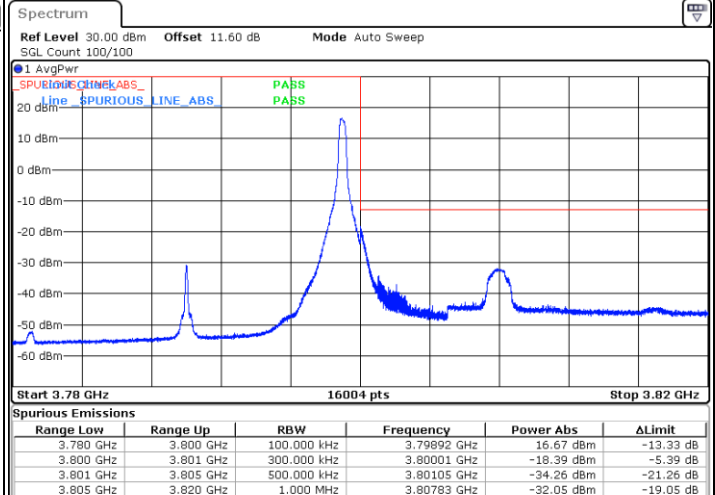
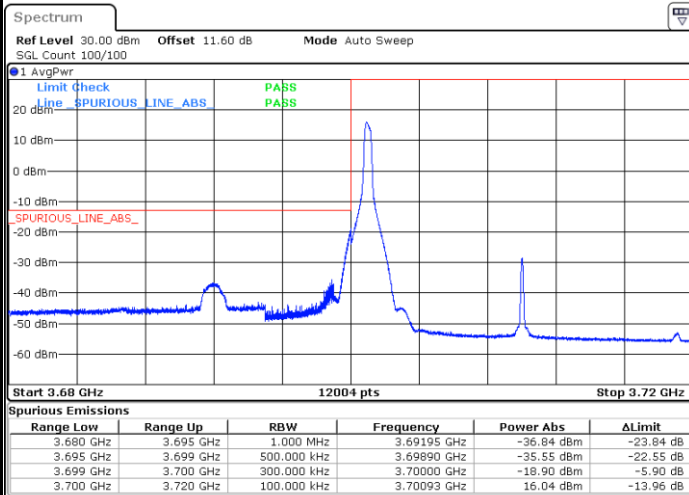
Date: 19.MAR.2021 15:43:08

**Conducted Band Edge**

FR1 n78 / 20MHz / DFT-S OFDM / PI/2 BPSK

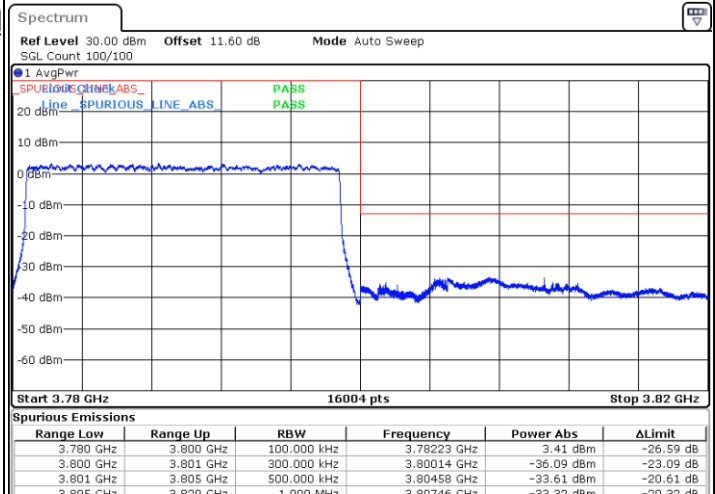
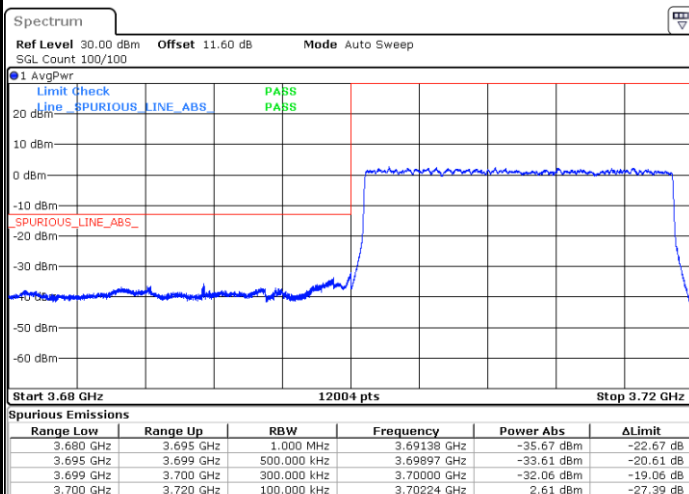
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

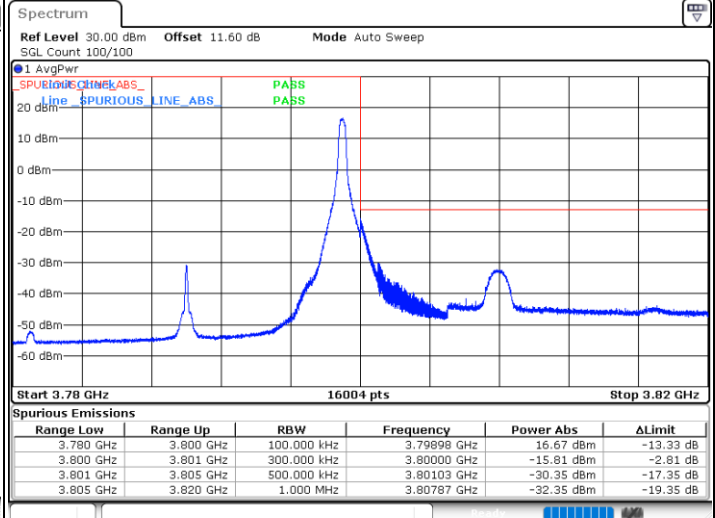
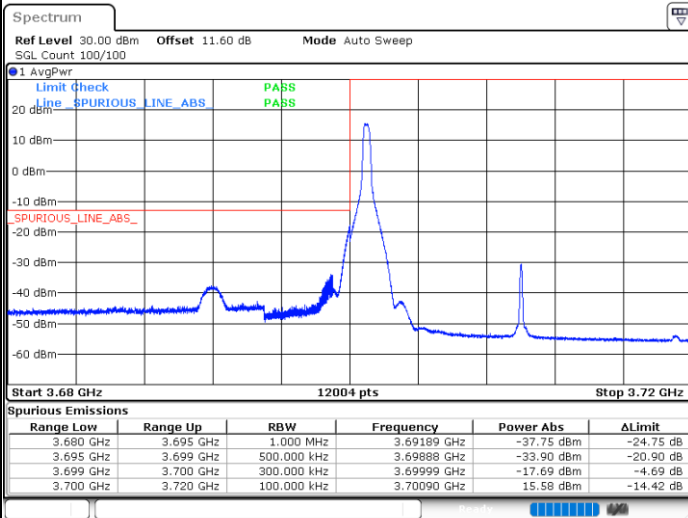




FR1 n78 / 20MHz / DFT-S OFDM / QPSK

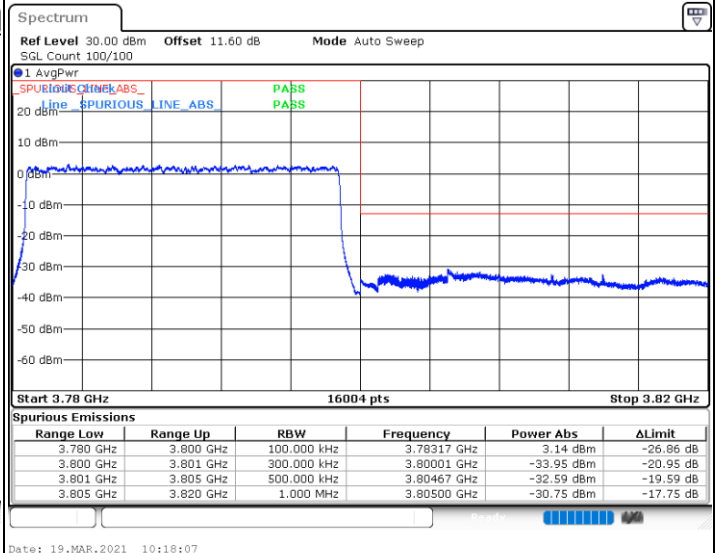
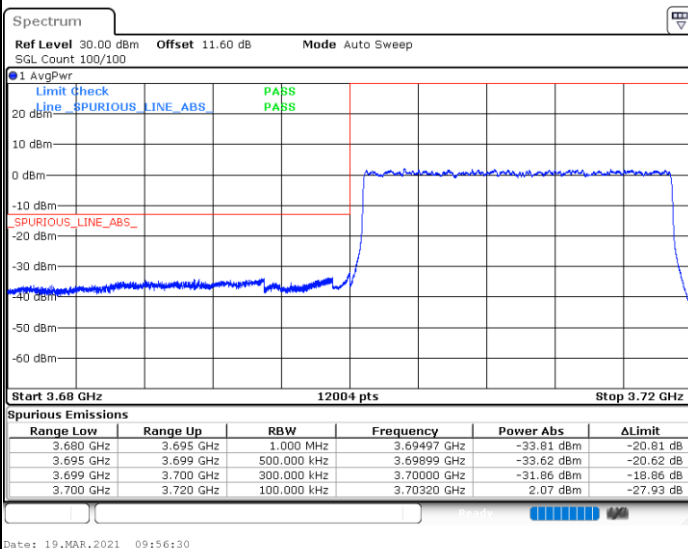
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

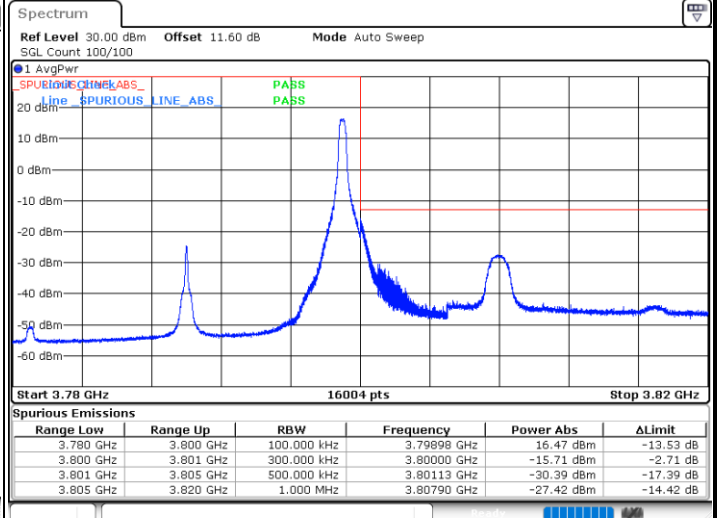
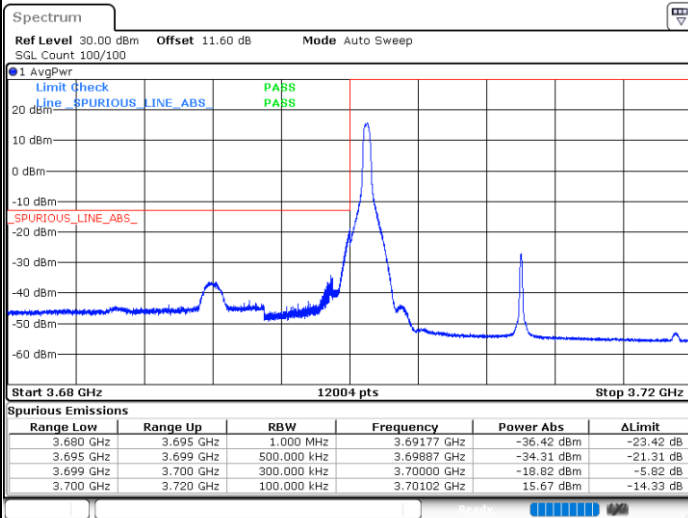




FR1 n78 / 20MHz / DFT-S OFDM / 16QAM

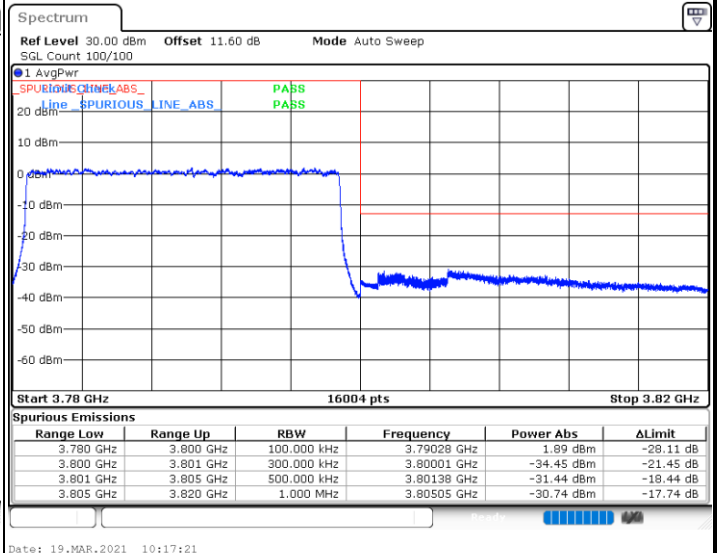
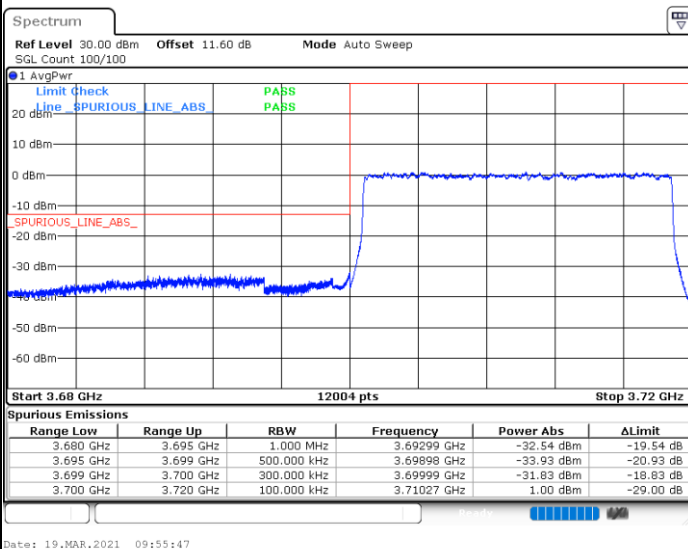
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

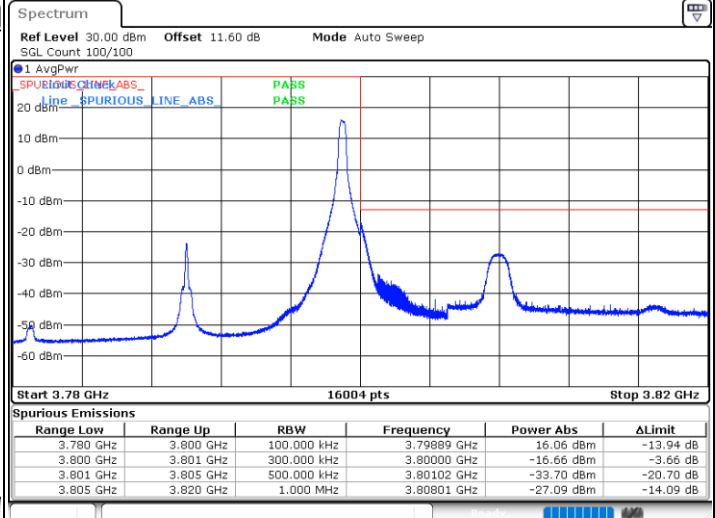
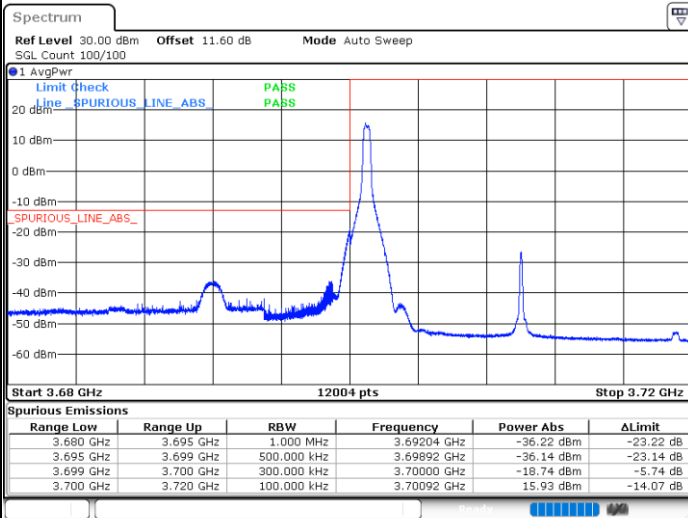




FR1 n78 / 20MHz / DFT-S OFDM / 64QAM

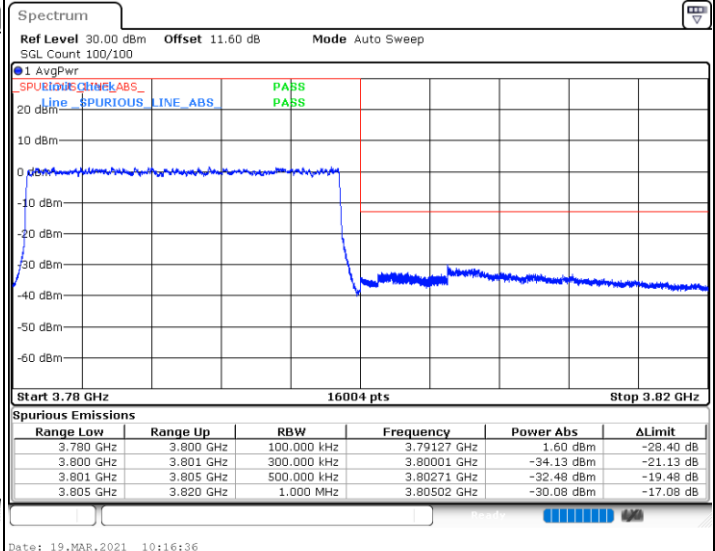
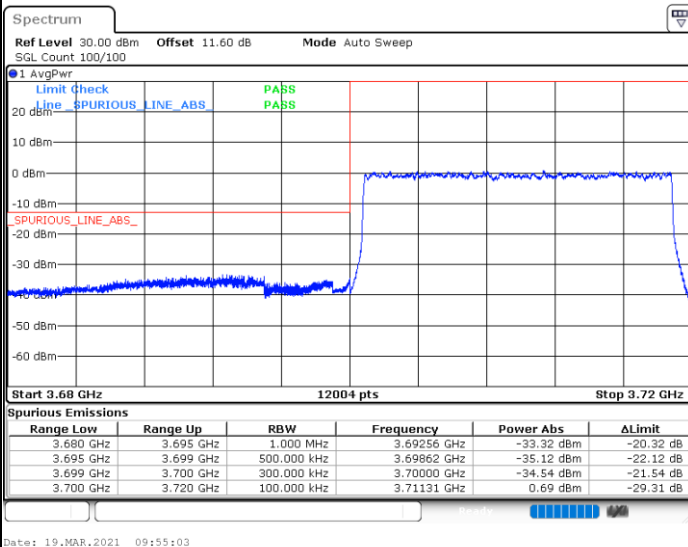
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

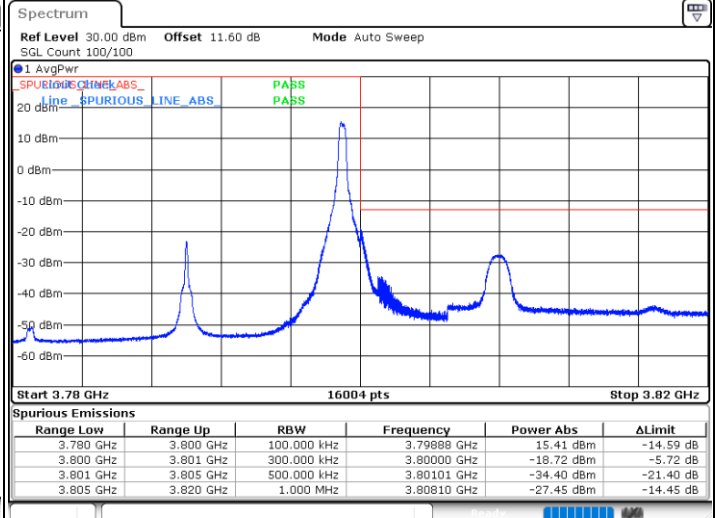
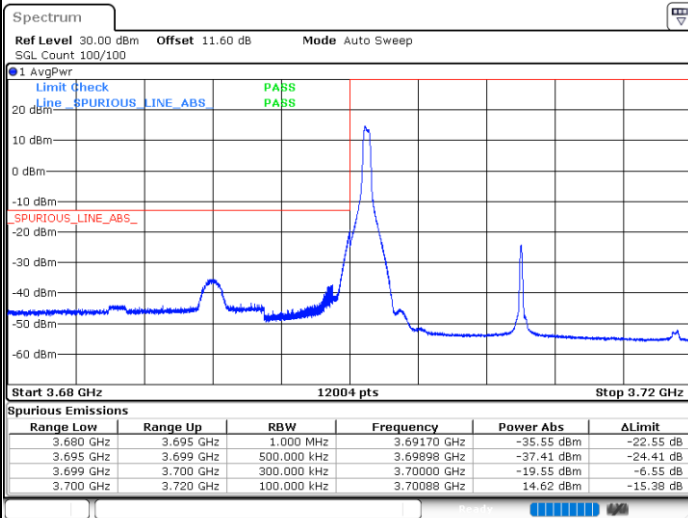




FR1 n78 / 20MHz / DFT-S OFDM / 256QAM

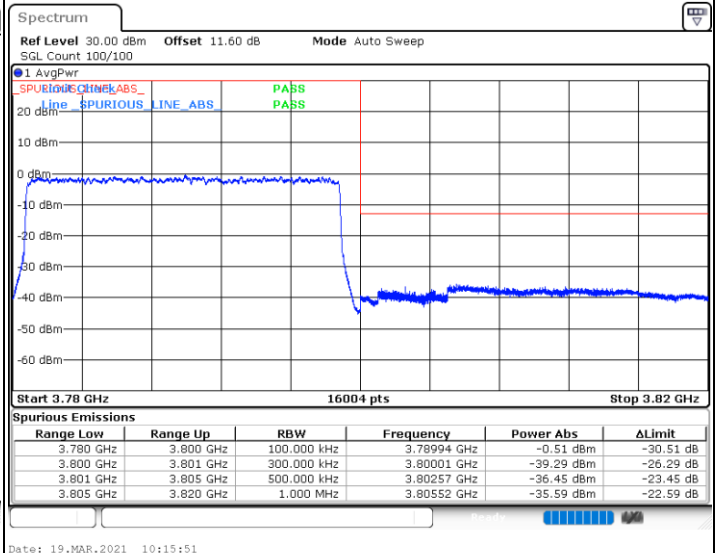
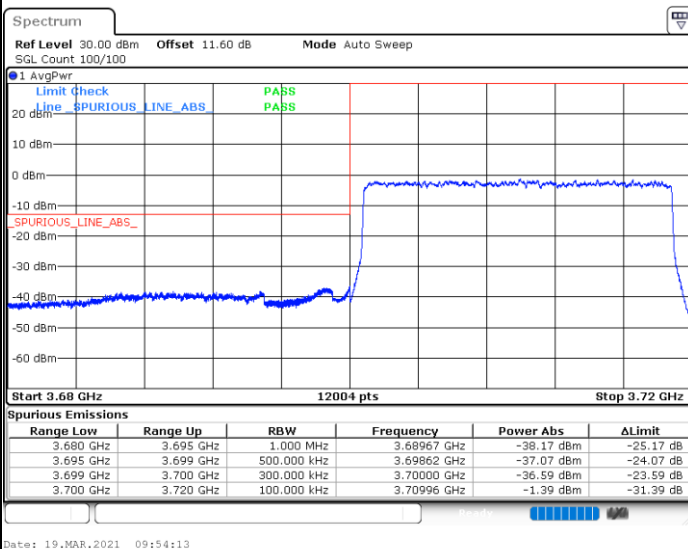
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

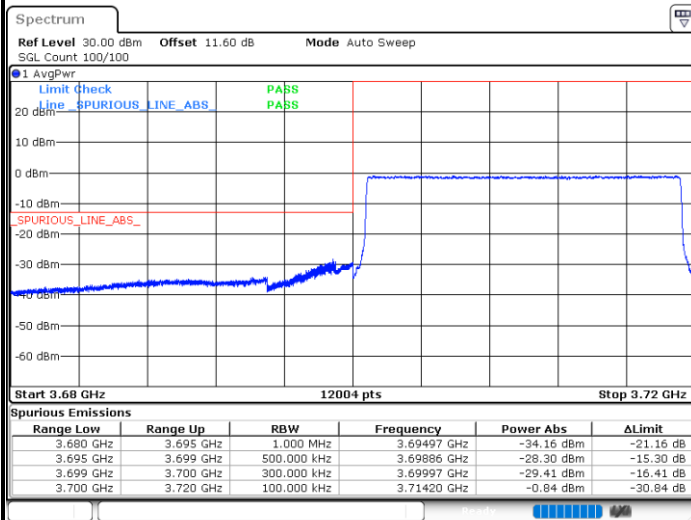
Highest Band Edge / Full RB





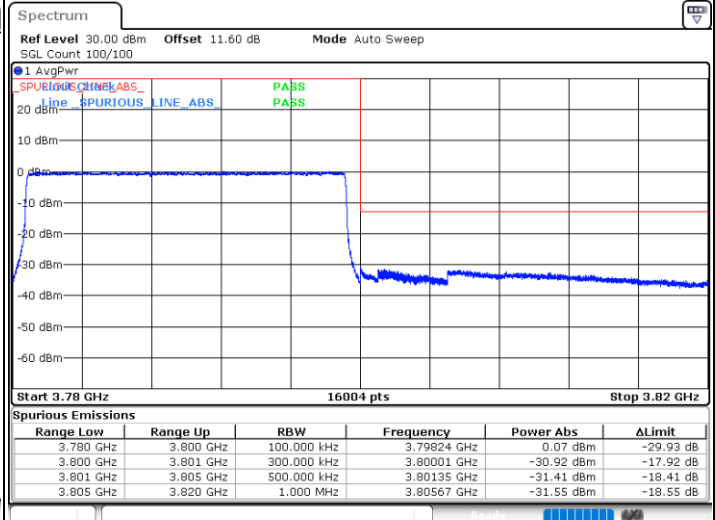
FR1 n78 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Date: 19.MAR.2021 09:59:39

Highest Band Edge



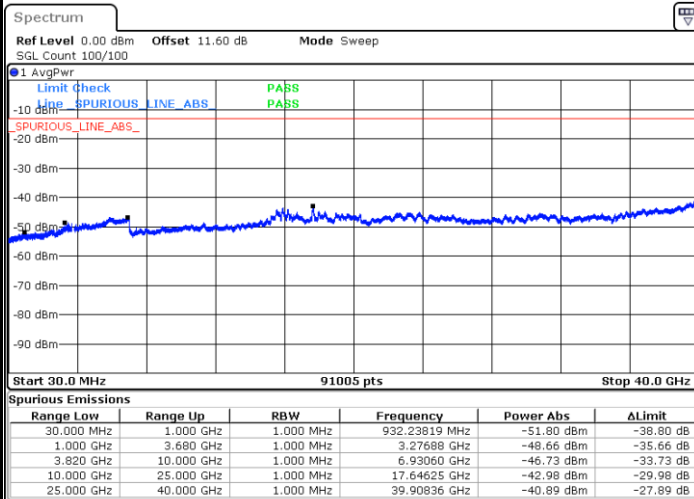
Date: 19.MAR.2021 10:21:54



Conducted Spurious Emission

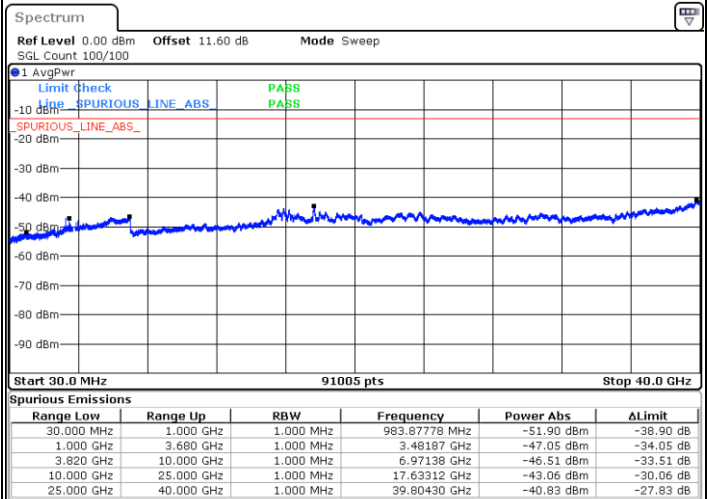
FR1 n78 / 20MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



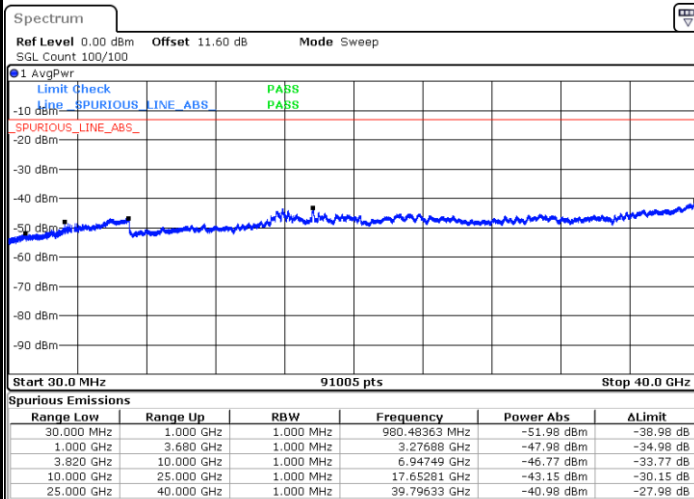
Date: 19.MAR.2021 10:09:01

Middle Channel



Date: 19.MAR.2021 10:06:16

Highest Channel



Date: 19.MAR.2021 10:10:19

Frequency Stability

Test Conditions		FR1 n78 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =48 V. ; Battery End Point (BEP) =43 V. ; Maximum Voltage =53 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Ant. 0>

5G NR n2

5G NR n2 / 20MHz / PI/2 BPSK									
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	3700	-52.58	-13	-39.58	-70.5	-63.79	1.41	12.62	H
	5554	-50.42	-13	-37.42	-73.58	-61.98	1.74	13.30	H
	7407	-47.10	-13	-34.10	-73.9	-56.41	1.94	11.25	H
									H
									H
	3700	-53.32	-13	-40.32	-71.38	-64.53	1.41	12.62	V
	5554	-51.08	-13	-38.08	-73.77	-62.64	1.74	13.30	V
	7407	-47.19	-13	-34.19	-73.84	-56.50	1.94	11.25	V
									V
									V
Middle	3744	-54.11	-13	-41.11	-72.23	-65.33	1.42	12.65	H
	5616	-50.35	-13	-37.35	-73.44	-61.91	1.74	13.30	H
	7488	-47.22	-13	-34.22	-73.63	-56.36	1.98	11.12	H
									H
									H
	3744	-54.24	-13	-41.24	-72.56	-65.46	1.42	12.65	V
	5616	-50.70	-13	-37.70	-73.45	-62.26	1.74	13.30	V
	7488	-46.93	-13	-33.93	-73.3	-56.07	1.98	11.12	V
									V
									V



Highest	3784	-52.07	-13	-39.07	-70.36	-62.28	2.02	12.23	H
	5674	-50.72	-13	-37.72	-74.12	-61.05	2.11	12.44	H
	7561	-47.72	-13	-34.72	-73.77	-55.83	2.11	10.22	H
									H
									H
	3784	-51.06	-13	-38.06	-69.6	-61.27	2.02	12.23	V
	5674	-51.27	-13	-38.27	-74.17	-61.60	2.11	12.44	V
	7561	-47.93	-13	-34.93	-73.94	-56.04	2.11	10.22	V
									V
									V

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

**5G NR n5**

5G NR n5 / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (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	1648	-63.45	-13	-50.45	-71.9	-69.04	0.92	8.66	H
	2472	-59.01	-13	-46.01	-72.52	-66.38	1.14	10.66	H
	3304	-57.51	-13	-44.51	-72.82	-66.06	1.32	12.03	H
									H
									H
	1648	-63.93	-13	-50.93	-71.85	-69.52	0.92	8.66	V
	2472	-58.47	-13	-45.47	-72.13	-65.84	1.14	10.66	V
	3304	-57.36	-13	-44.36	-73.14	-65.91	1.32	12.03	V
									V
									V
Middle	1656	-62.87	-13	-49.87	-71.35	-68.49	0.92	8.69	H
	2480	-58.97	-13	-45.97	-72.5	-66.35	1.15	10.67	H
	3312	-57.91	-13	-44.91	-73.2	-66.48	1.33	12.05	H
									H
									H
	1656	-63.98	-13	-50.98	-71.89	-69.60	0.92	8.69	V
	2480	-58.87	-13	-45.87	-72.57	-66.25	1.15	10.67	V
	3312	-57.15	-13	-44.15	-72.9	-65.72	1.33	12.05	V
									V
									V



Highest	1664	-63.16	-13	-50.16	-71.66	-68.81	0.93	8.72	H
	2488	-59.06	-13	-46.06	-72.61	-66.45	1.15	10.68	H
	3320	-57.76	-13	-44.76	-73.02	-66.35	1.33	12.07	H
									H
									H
	1664	-64.08	-13	-51.08	-71.99	-69.73	0.93	8.72	V
	2488	-59.16	-13	-46.16	-72.9	-66.55	1.15	10.68	V
	3320	-56.97	-13	-43.97	-72.69	-65.56	1.33	12.07	V
									V
									V

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

**5G NR n7**

5G NR n7 / 20MHz / PI/2 BPSK									
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	5002	-47.12	-13	-34.12	-69.14	-58.11	1.61	12.60	H
	7503	-47.08	-13	-34.08	-73.43	-56.19	1.99	11.10	H
	10005	-44.41	-13	-31.41	-73.97	-53.31	2.40	11.30	H
									H
									H
	5002	-43.23	-13	-30.23	-64.8	-54.22	1.61	12.60	V
	7503	-46.92	-13	-33.92	-73.24	-56.03	1.99	11.10	V
	10005	-43.39	-13	-30.39	-73.74	-52.29	2.40	11.30	V
									V
									V
Middle	5052	-50.77	-13	-37.77	-72.77	-61.82	1.62	12.67	H
	7578	-47.70	-13	-34.70	-73.66	-56.81	2.00	11.12	H
	10105	-43.35	-13	-30.35	-73.17	-52.17	2.40	11.22	H
									H
									H
	5052	-48.75	-13	-35.75	-70.38	-59.80	1.62	12.67	V
	7578	-47.75	-13	-34.75	-73.67	-56.86	2.00	11.12	V
	10105	-43.12	-13	-30.12	-73.51	-51.94	2.40	11.22	V
									V
									V



Highest	5102	-51.14	-13	-38.14	-73.11	-62.25	1.64	12.74	H
	7653	-47.55	-13	-34.55	-73.42	-56.67	2.01	11.13	H
	10205	-43.30	-13	-30.30	-73.37	-52.04	2.40	11.14	H
									H
									H
	5102	-48.89	-13	-35.89	-70.56	-60.00	1.64	12.74	V
	7653	-47.45	-13	-34.45	-73.2	-56.57	2.01	11.13	V
	10205	-43.18	-13	-30.18	-73.6	-51.92	2.40	11.14	V
									V
									V

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

**5G NR n12**

5G NR n12 / 15MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (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	1400	-60.91	-13.00	-47.91	-70.48	-65.56	0.84	7.64	H
	2100	-59.23	-13.00	-46.23	-71.90	-66.16	1.06	10.14	H
	2800	-57.11	-13.00	-44.11	-71.53	-64.80	1.22	11.06	H
									H
									H
	1400	-61.58	-13.00	-48.58	-69.92	-66.23	0.84	7.64	V
	2100	-60.80	-13.00	-47.80	-72.37	-67.73	1.06	10.14	V
	2800	-57.94	-13.00	-44.94	-72.30	-65.63	1.22	11.06	V
									V
									V
Middle	1402	-60.70	-13.00	-47.70	-70.27	-65.35	0.84	7.65	H
	2103	-59.45	-13.00	-46.45	-72.17	-66.38	1.06	10.14	H
	2804	-57.74	-13.00	-44.74	-72.18	-65.43	1.22	11.06	H
									H
									H
	1402	-61.02	-13.00	-48.02	-69.36	-65.67	0.84	7.65	V
	2103	-60.74	-13.00	-47.74	-72.35	-67.67	1.06	10.14	V
	2804	-57.58	-13.00	-44.58	-71.96	-65.27	1.22	11.06	V
									V
									V



Highest	1404	-60.89	-13.00	-47.89	-70.44	-65.55	0.85	7.66	H
	2106	-59.55	-13.00	-46.55	-72.33	-66.49	1.06	10.15	H
	2808	-57.52	-13.00	-44.52	-71.97	-65.22	1.22	11.07	H
									H
									H
	1404	-61.16	-13.00	-48.16	-69.49	-65.82	0.85	7.66	V
	2106	-60.49	-13.00	-47.49	-72.16	-67.43	1.06	10.15	V
	2808	-57.91	-13.00	-44.91	-72.31	-65.61	1.22	11.07	V
									V
									V

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

**5G NR n38**

5G NR n38 / 20MHz / PI/2 BPSK									
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	5142	-48.40	-13	-35.40	-70.36	-59.55	1.65	12.80	H
	7713	-47.81	-13	-34.81	-73.71	-56.93	2.02	11.14	H
	10285	-43.93	-13	-30.93	-74.2	-52.61	2.39	11.07	H
									H
									H
	5142	-48.02	-13	-35.02	-69.73	-59.17	1.65	12.80	V
	7713	-48.16	-13	-35.16	-73.87	-57.28	2.02	11.14	V
	10285	-43.52	-13	-30.52	-73.97	-52.20	2.39	11.07	V
									V
									V
Middle	5172	-46.29	-13	-33.29	-68.24	-57.48	1.65	12.84	H
	7758	-48.16	-13	-35.16	-74.07	-57.29	2.03	11.15	H
	10345	-43.30	-13	-30.30	-73.73	-51.93	2.39	11.02	H
									H
									H
	5172	-45.11	-13	-32.11	-66.86	-56.30	1.65	12.84	V
	7758	-48.23	-13	-35.23	-73.89	-57.36	2.03	11.15	V
	10345	-43.69	-13	-30.69	-74.16	-52.32	2.39	11.02	V
									V
									V



Highest	5202	-49.45	-13	-36.45	-71.39	-60.67	1.66	12.88	H
	7803	-48.37	-13	-35.37	-74.32	-57.50	2.03	11.16	H
	10405	-43.01	-13	-30.01	-73.6	-51.59	2.39	10.98	H
									H
									H
	5202	-45.74	-13	-32.74	-67.51	-56.96	1.66	12.88	V
	7803	-48.39	-13	-35.39	-74.04	-57.52	2.03	11.16	V
	10405	-43.23	-13	-30.23	-73.74	-51.81	2.39	10.98	V
									V
									V

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

**5G NR n66**

5G NR n66 / 20MHz / PI/2 BPSK									
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	3423	-57.01	-13	-44.01	-72.96	-67.98	1.35	12.32	H
	5134	-52.12	-13	-39.12	-74.07	-63.26	1.64	12.79	H
	6845	-48.71	-13	-35.71	-74.09	-59.09	1.74	12.12	H
									H
									H
	3423	-56.90	-13	-43.90	-73.27	-67.87	1.35	12.32	V
	5134	-52.14	-13	-39.14	-73.84	-63.28	1.64	12.79	V
	6845	-48.81	-13	-35.81	-73.79	-59.19	1.74	12.12	V
									V
									V
Middle	3448	-55.06	-13	-42.06	-71.26	-66.08	1.35	12.38	H
	5171	-51.89	-13	-38.89	-73.84	-63.07	1.65	12.84	H
	6895	-48.20	-13	-35.20	-73.84	-58.51	1.73	12.05	H
									H
									H
	3476	-56.14	-13	-43.14	-72.73	-67.23	1.36	12.44	V
	5212	-52.14	-13	-39.14	-73.89	-63.37	1.67	12.90	V
	6948	-48.47	-13	-35.47	-73.66	-58.72	1.73	11.97	V
									V
									V



Highest	3473	-56.29	-13	-43.29	-72.72	-67.37	1.36	12.44	H
	5209	-52.05	-13	-39.05	-74.01	-63.28	1.66	12.89	H
	6945	-47.76	-13	-34.76	-73.64	-58.01	1.73	11.98	H
									H
									H
	3473	-55.81	-13	-42.81	-72.62	-66.89	1.36	12.44	V
	5209	-52.31	-13	-39.31	-74.1	-63.54	1.66	12.89	V
	6945	-48.30	-13	-35.30	-73.72	-58.55	1.73	11.98	V
									V
									V

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

**5G NR n71**

5G NR n71 / 20MHz / PI/2 BPSK									
Channel	Frequency (MHz)	ERP (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	1328	-55.87	-13	-42.87	-65.01	-62.35	0.83	7.31	H
	1992	-60.64	-13	-47.64	-71.42	-69.57	1.04	9.97	H
	2656	-58.41	-13	-45.41	-72.22	-68.11	1.19	10.89	H
									H
									H
	1328	-58.08	-13	-45.08	-66.38	-64.56	0.83	7.31	V
	1992	-61.68	-13	-48.68	-71.49	-70.61	1.04	9.97	V
	2656	-58.91	-13	-45.91	-72.69	-68.61	1.19	10.89	V
									V
									V
Middle	1344	-61.14	-13	-48.14	-70.38	-67.69	0.83	7.38	H
	2016	-60.59	-13	-47.59	-71.74	-69.57	1.04	10.02	H
	2688	-58.82	-13	-45.82	-72.77	-68.55	1.20	10.93	H
									H
									H
	1344	-60.57	-13	-47.57	-68.88	-67.12	0.83	7.38	V
	2016	-61.77	-13	-48.77	-71.92	-70.75	1.04	10.02	V
	2688	-58.49	-13	-45.49	-72.4	-68.22	1.20	10.93	V
									V
									V



Highest	1360	-58.02	-13	-45.02	-67.35	-64.64	0.83	7.46	H
	2040	-60.30	-13	-47.30	-71.88	-69.31	1.05	10.06	H
	2720	-58.58	-13	-45.58	-72.67	-68.34	1.20	10.96	H
									H
									H
	1360	-59.59	-13	-46.59	-67.91	-66.21	0.83	7.46	V
	2040	-61.07	-13	-48.07	-71.62	-70.08	1.05	10.06	V
	2720	-58.26	-13	-45.26	-72.3	-68.02	1.20	10.96	V
									V
									V

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



<Ant. 4>

5G NR n77

5G NR n77 / 100MHz / PI/2 BPSK									
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	7402	-46.89	-13	-33.89	-73.96	-54.06	1.94	11.26	H
	11103	-42.78	-13	-29.78	-73.79	-49.05	2.61	11.02	H
	14804	-37.16	-13	-24.16	-72.54	-44.05	2.94	11.97	H
	18505	-55.46	-13	-42.46	-73.84	-69.31	1.90	17.90	H
	22206	-53.37	-13	-40.37	-75.82	-67.99	2.05	18.82	H
	25907	-51.25	-13	-38.25	-77.35	-66.22	1.96	19.08	H
									H
	7402	-47.18	-13	-34.18	-74.09	-54.35	1.94	11.26	V
	11103	-43.14	-13	-30.14	-73.98	-49.41	2.61	11.02	V
	14804	-39.08	-13	-26.08	-72.52	-45.97	2.94	11.97	V
	18505	-56.26	-13	-43.26	-73.78	-70.11	1.90	17.90	V
	22206	-53.61	-13	-40.61	-76.08	-68.23	2.05	18.82	V
	25907	-50.51	-13	-37.51	-77.72	-65.48	1.96	19.08	V
									V
Middle	7582	-48.13	-13	-35.13	-74.23	-55.09	2.00	11.12	H
	11373	-41.73	-13	-28.73	-73.08	-48.43	2.49	11.35	H
	15164	-36.11	-13	-23.11	-72.53	-44.64	3.04	13.72	H
	18955	-54.62	-13	-41.62	-73.74	-68.62	1.75	17.90	H
	22746	-51.81	-13	-38.81	-75.83	-66.14	1.97	18.45	H
	26537	-49.51	-13	-36.51	-76.72	-63.79	2.36	18.79	H
									H
	7582	-48.02	-13	-35.02	-74.08	-54.98	2.00	11.12	V
	11373	-42.40	-13	-29.40	-73.6	-49.10	2.49	11.35	V
	15164	-37.86	-13	-24.86	-72.28	-46.39	3.04	13.72	V
	18955	-56.91	-13	-43.91	-75.31	-70.91	1.75	17.90	V
	22746	-52.10	-13	-39.10	-76.16	-66.43	1.97	18.45	V
	26537	-48.15	-13	-35.15	-76.85	-62.43	2.36	18.79	V
									V



Highest	7762	-47.65	-13	-34.65	-73.59	-54.63	2.03	11.15	H
	11643	-41.81	-13	-28.81	-73.44	-49.07	2.49	11.90	H
	15524	-36.40	-13	-23.40	-72.82	-47.20	3.13	16.08	H
	19405	-55.85	-13	-42.85	-75.04	-70.05	1.96	18.31	H
	23286	-51.68	-13	-38.68	-76.36	-65.64	1.97	18.09	H
	27167	-50.44	-13	-37.44	-77.06	-65.06	2.10	18.87	H
									H
	7762	-48.20	-13	-35.20	-73.88	-55.18	2.03	11.15	V
	11643	-41.49	-13	-28.49	-73.2	-48.75	2.49	11.90	V
	15524	-36.91	-13	-23.91	-72.62	-47.71	3.13	16.08	V
	19405	-56.89	-13	-43.89	-75.4	-71.09	1.96	18.31	V
	23286	-51.48	-13	-38.48	-76.29	-65.44	1.97	18.09	V
	27167	-48.72	-13	-35.72	-76.75	-63.34	2.10	18.87	V
									V

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



<Ant. 8>

5G NR n25

5G NR n25 / 20MHz / PI/2 BPSK									
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	3702	-55.13	-13	-42.13	-73.06	-66.34	1.41	12.62	H
	5553	-50.57	-13	-37.57	-73.73	-62.13	1.74	13.30	H
	7405	-46.81	-13	-33.81	-73.62	-56.12	1.94	11.25	H
									H
									H
	3702	-54.66	-13	-41.66	-72.74	-65.87	1.41	12.62	V
	5553	-50.95	-13	-37.95	-73.64	-62.51	1.74	13.30	V
	7405	-47.05	-13	-34.05	-73.71	-56.36	1.94	11.25	V
									V
									V
Middle	3747	-54.88	-13	-41.88	-73.01	-66.10	1.42	12.65	H
	5621	-50.59	-13	-37.59	-73.72	-62.15	1.74	13.30	H
	7495	-46.79	-13	-33.79	-73.17	-55.91	1.99	11.11	H
									H
									H
	3747	-54.53	-13	-41.53	-72.87	-65.75	1.42	12.65	V
	5621	-51.39	-13	-38.39	-74.16	-62.95	1.74	13.30	V
	7495	-47.20	-13	-34.20	-73.55	-56.32	1.99	11.11	V
									V
									V



Highest	3792	-54.18	-13	-41.18	-72.51	-64.38	2.02	12.22	H
	5688	-50.60	-13	-37.60	-74.07	-60.95	2.11	12.46	H
	7585	-48.26	-13	-35.26	-74.18	-56.45	2.11	10.31	H
									H
									H
	3792	-53.67	-13	-40.67	-72.26	-63.87	2.02	12.22	V
	5688	-51.44	-13	-38.44	-74.38	-61.79	2.11	12.46	V
	7585	-47.89	-13	-34.89	-73.76	-56.08	2.11	10.31	V
									V
									V

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

**5G NR n41**

5G NR n41 / 100MHz / PI/2 BPSK									
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	4994	-51.86	-13	-38.86	-73.87	-62.85	1.61	12.60	H
	7491	-47.33	-13	-34.33	-73.73	-56.46	1.99	11.11	H
	9988	-44.63	-13	-31.63	-74.22	-53.54	2.40	11.30	H
									H
									H
	4994	-52.11	-13	-39.11	-73.66	-63.10	1.61	12.60	V
	7491	-47.19	-13	-34.19	-73.55	-56.32	1.99	11.11	V
	9988	-43.64	-13	-30.64	-73.99	-52.55	2.40	11.30	V
									V
									V
Middle	5087	-52.44	-13	-39.44	-74.42	-63.53	1.63	12.72	H
	7631	-48.03	-13	-35.03	-73.88	-57.15	2.01	11.13	H
	10175	-43.84	-13	-30.84	-73.83	-52.60	2.40	11.16	H
									H
									H
	5087	-51.72	-13	-38.72	-73.38	-62.81	1.63	12.72	V
	7631	-48.32	-13	-35.32	-74.08	-57.44	2.01	11.13	V
	10175	-43.10	-13	-30.10	-73.51	-51.86	2.40	11.16	V
									V
									V



Highest	5182	-53.06	-13	-40.06	-75	-64.26	1.66	12.85	H
	7773	-47.72	-13	-34.72	-73.64	-56.85	2.03	11.15	H
	10364	-43.28	-13	-30.28	-73.76	-51.90	2.39	11.01	H
									H
									H
	5182	-53.17	-13	-40.17	-74.93	-64.37	1.66	12.85	V
	7773	-48.07	-13	-35.07	-73.72	-57.20	2.03	11.15	V
	10364	-43.28	-13	-30.28	-73.77	-51.90	2.39	11.01	V
									V
									V

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