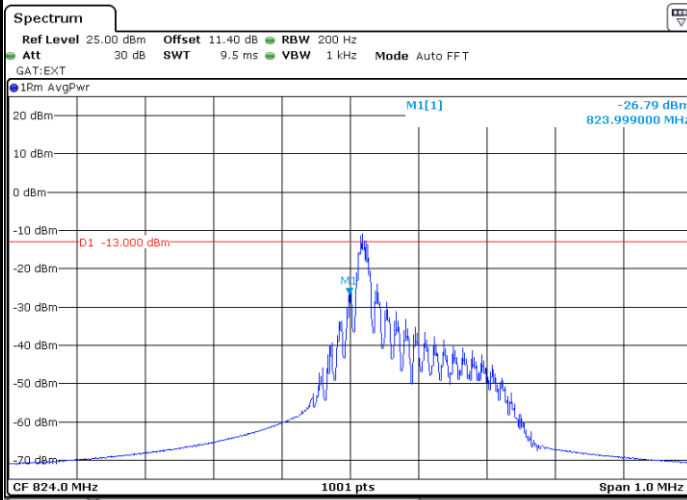




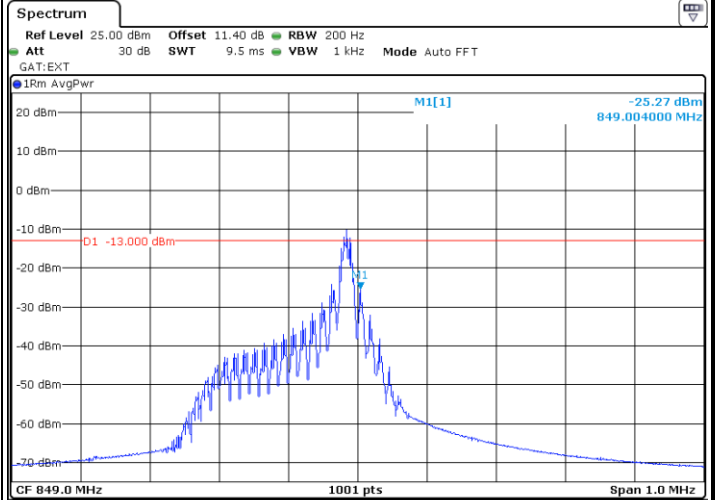
LTE Band 26 / 15kHz / QPSK

Lowest Band Edge / 1 T



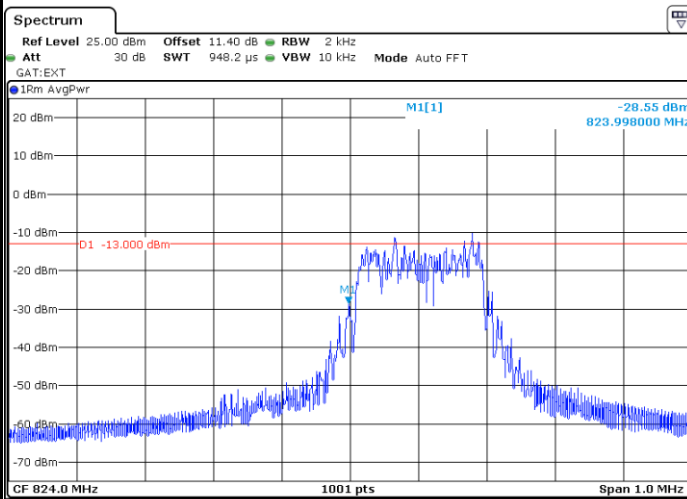
Date: 13.AUG.2024 23:19:03

Highest Band Edge / 1 T



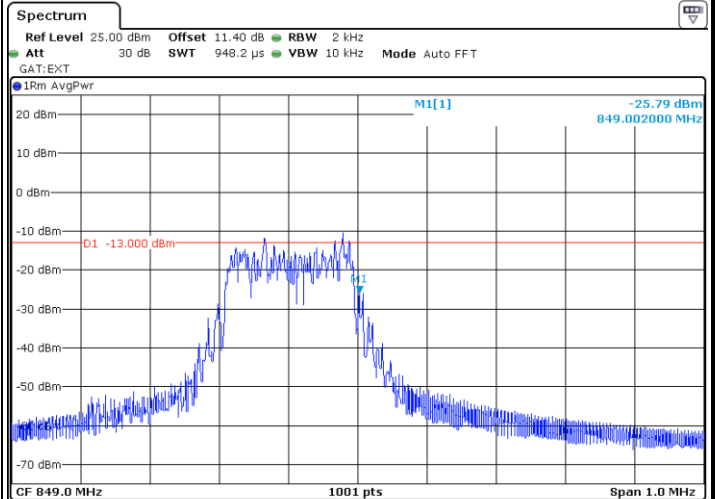
Date: 13.AUG.2024 23:12:17

Lowest Band Edge / Full T



Date: 13.AUG.2024 23:45:07

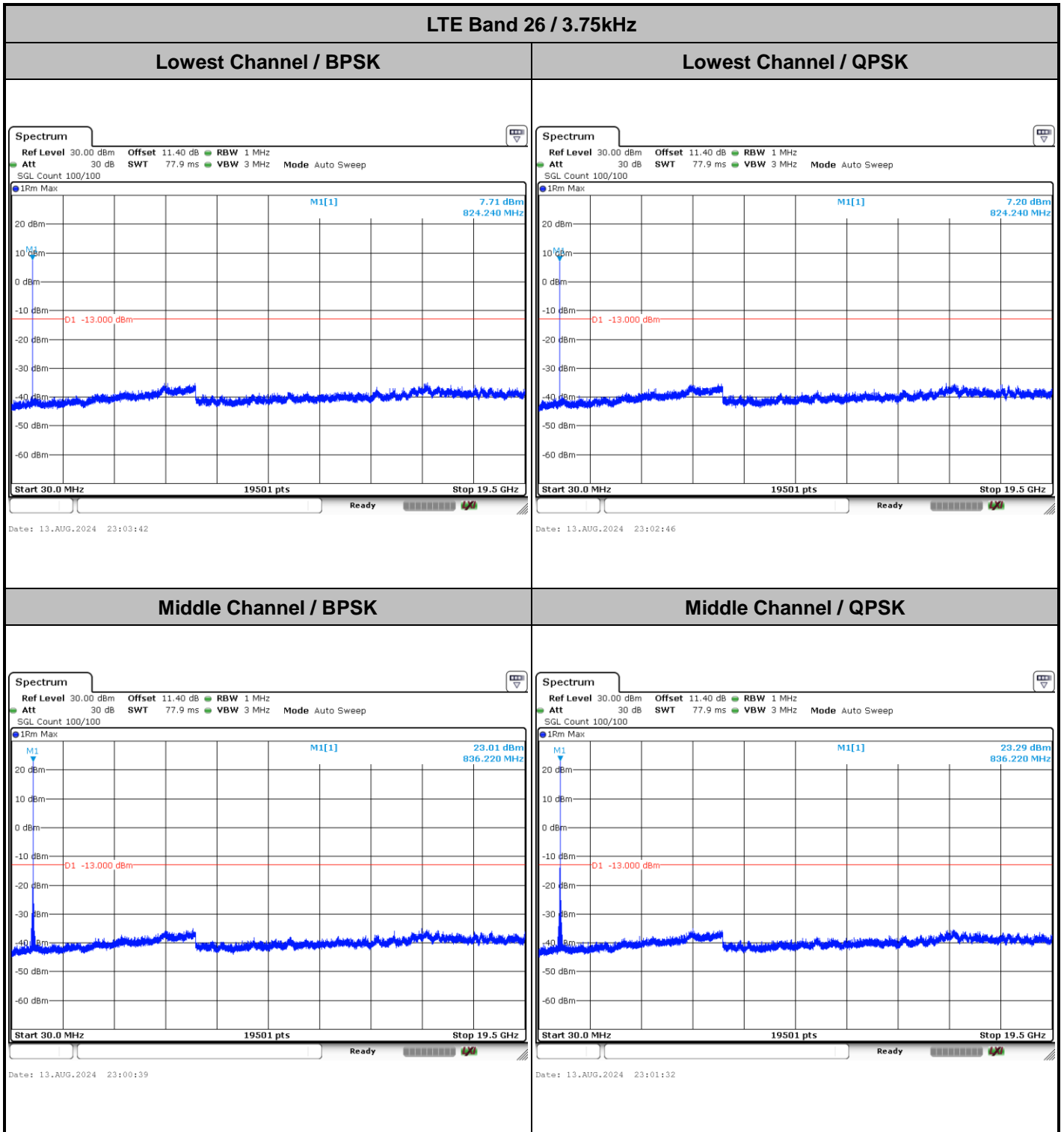
Highest Band Edge / Full T



Date: 13.AUG.2024 23:46:59



Conducted Spurious Emission

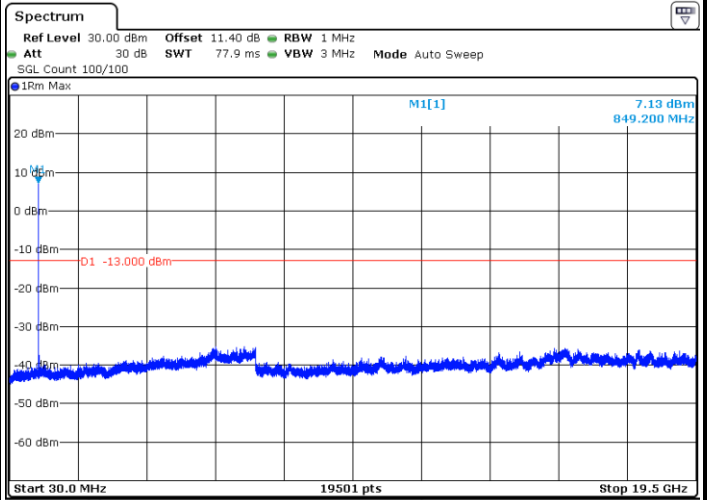
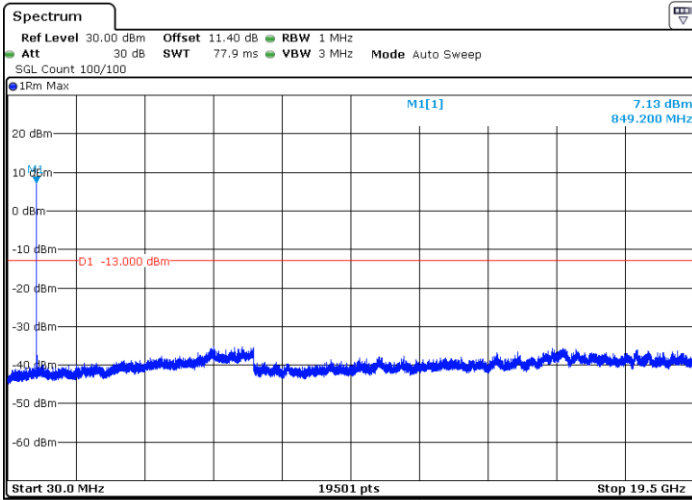




LTE Band 26 / 3.75kHz

Highest Channel / BPSK

Highest Channel / QPSK



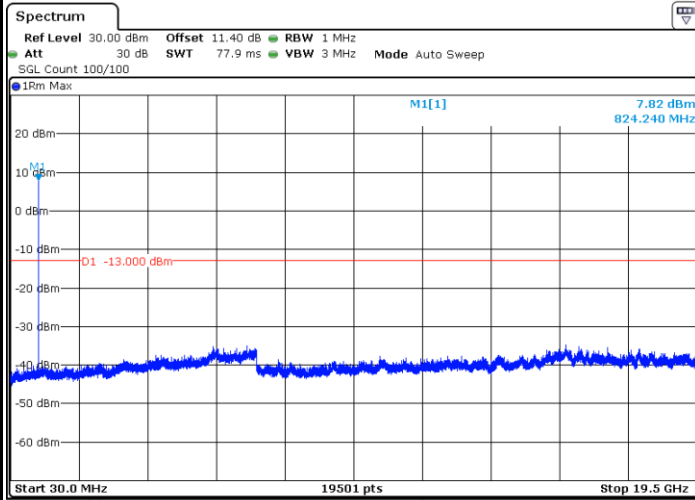
Date: 13.AUG.2024 22:56:09

Date: 13.AUG.2024 22:55:02



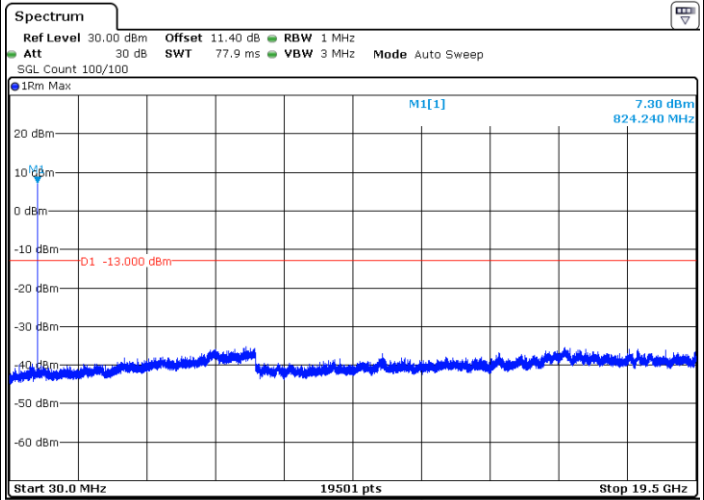
LTE Band 26 / 15kHz

Lowest Channel / BPSK



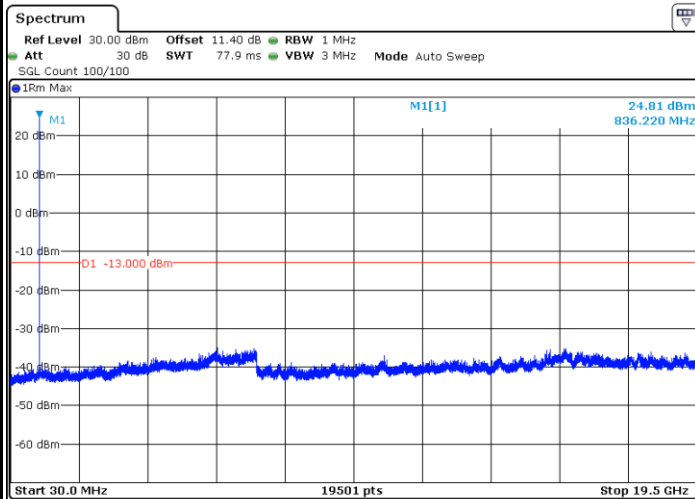
Date: 13.AUG.2024 23:05:50

Lowest Channel / QPSK



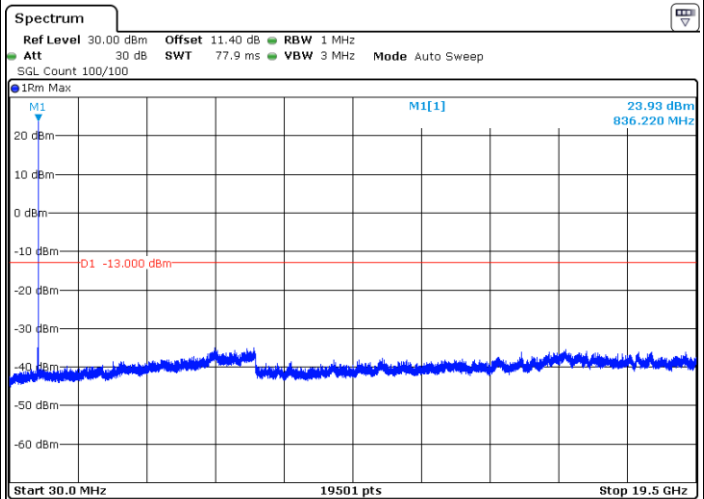
Date: 13.AUG.2024 23:06:51

Middle Channel / BPSK



Date: 13.AUG.2024 23:08:48

Middle Channel / QPSK



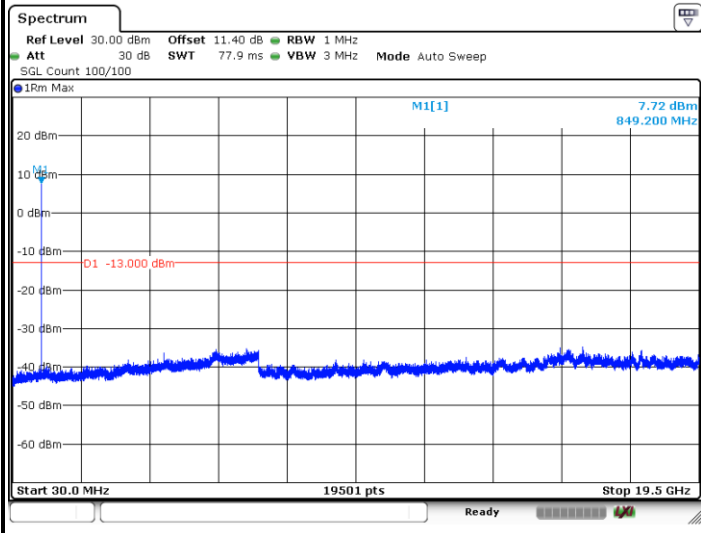
Date: 13.AUG.2024 23:07:55



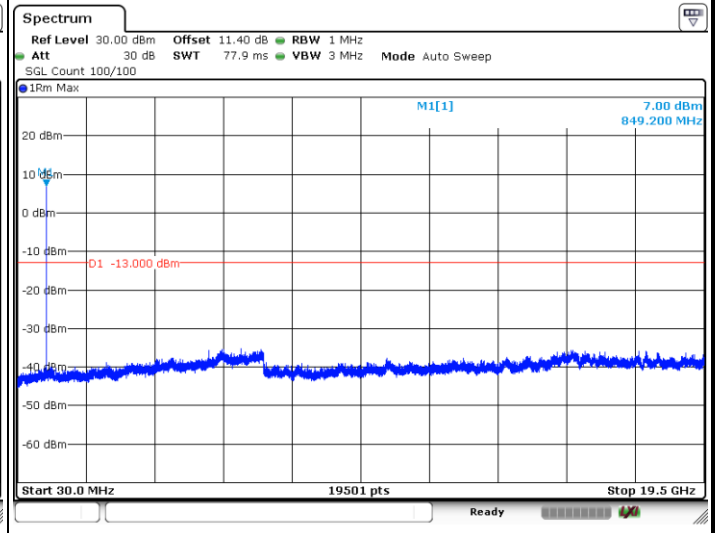
LTE Band 26 / 15kHz

Highest Channel / BPSK

Highest Channel / QPSK



Date: 13.AUG.2024 23:09:56



Date: 13.AUG.2024 23:10:51



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0063	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0077	
-20	Normal Voltage	0.0178	
-30	Normal Voltage	0.0096	
20	Maximum Voltage	0.0163	
20	Normal Voltage	0.0000	
20	Mimimum Voltage	0.0106	

Note: Normal Voltage = 110 V. ; Mimimum Voltage = 90 V. ; Maximum Voltage = 264 V.



LTE Band 26 (Part 90S)

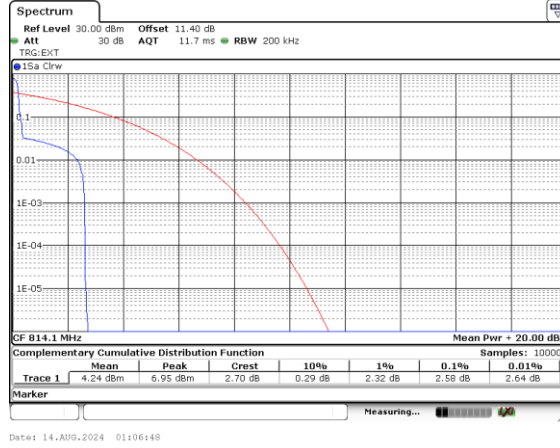
Peak-to-Average Ratio

Mode	LTE Band 26 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Lowest CH	2.58	2.06	4.09	PASS
Middle CH	2.52	2.00	3.88	
Highest CH	2.58	2.06	4.09	

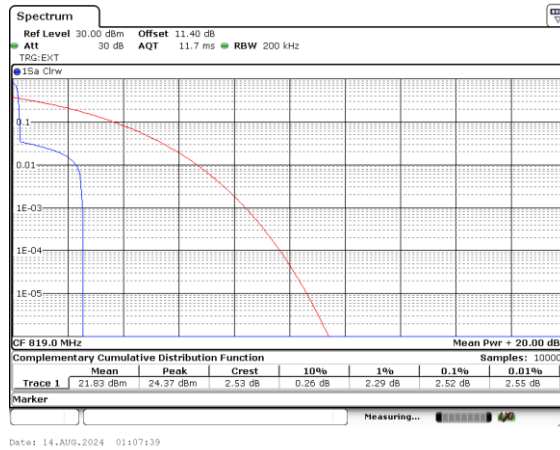


LTE Band 26 / 15kHz / BPSK

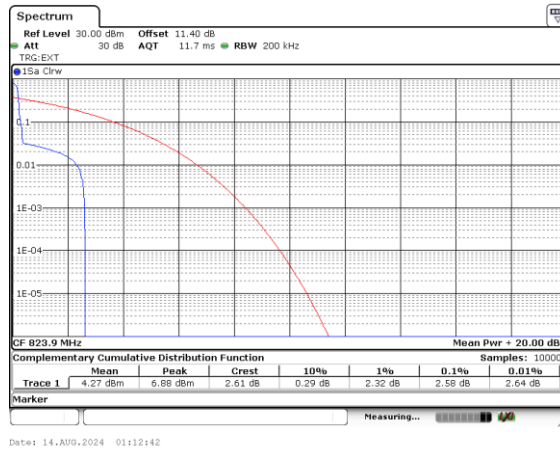
Lowest Channel / 1T



Middle Channel / 1T



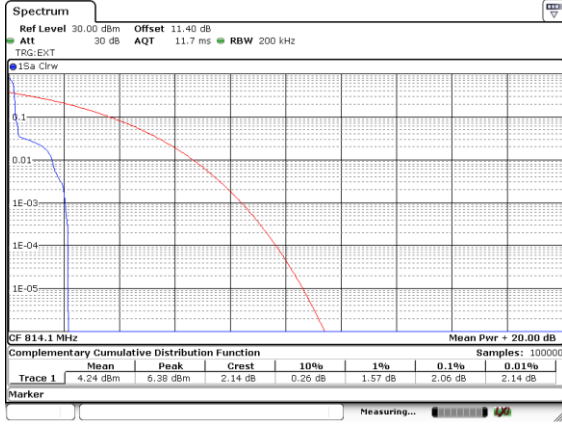
Highest Channel / 1T





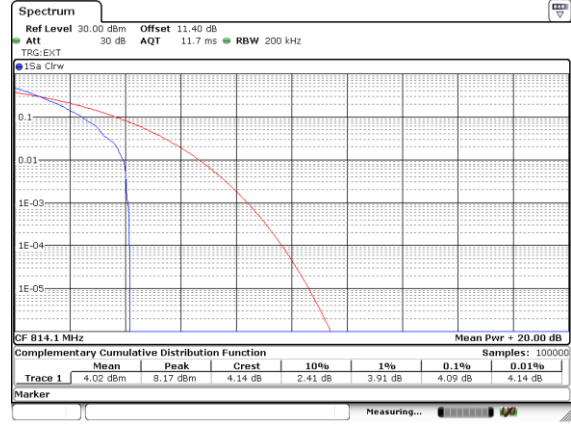
LTE Band 26 / 15kHz / QPSK

Lowest Channel / 1T



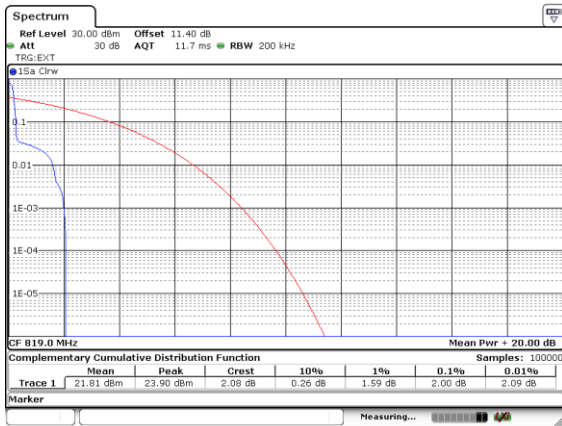
Date: 14.AUG.2024 01:05:47

Lowest Channel / Full T



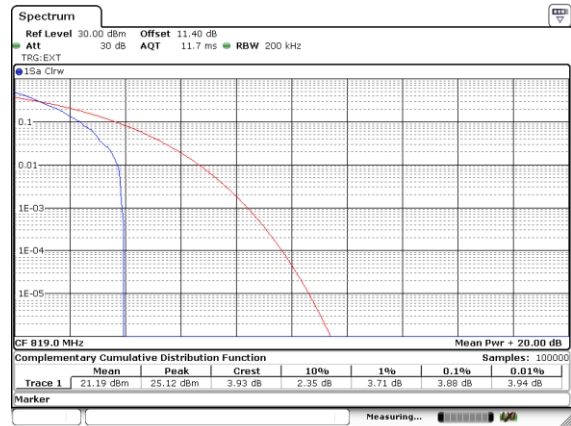
Date: 14.AUG.2024 01:16:40

Middle Channel/ 1T



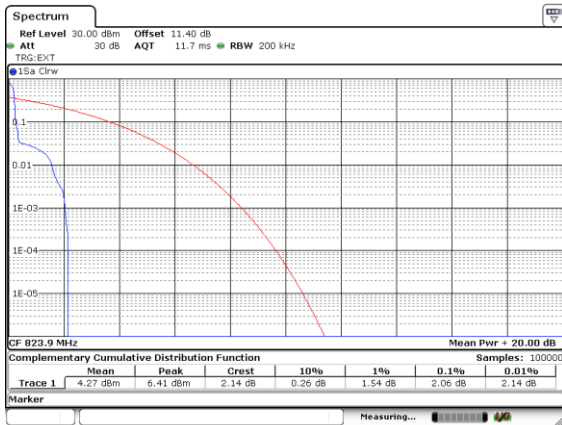
Date: 14.AUG.2024 01:08:52

Middle Channel / Full T



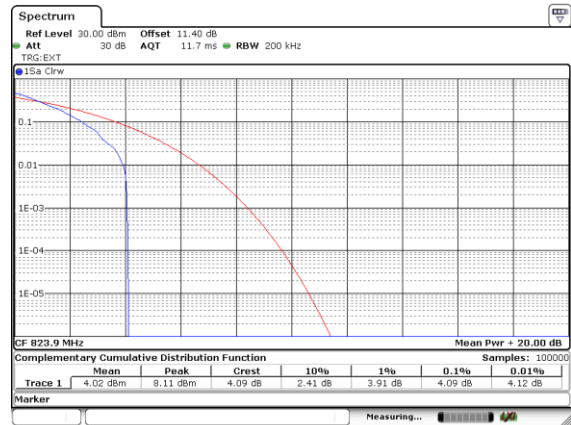
Date: 14.AUG.2024 01:15:24

Highest Channel/ 1T



Date: 14.AUG.2024 01:10:58

Highest Channel / Full T



Date: 14.AUG.2024 01:13:57



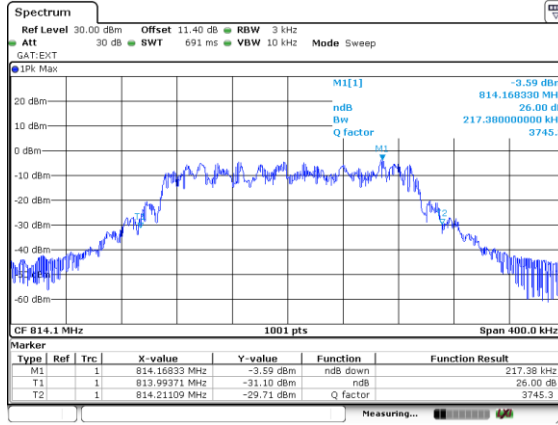
26dB Bandwidth

Mode	LTE Band 26 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	217.38
Middle CH	216.58
Highest CH	204.2



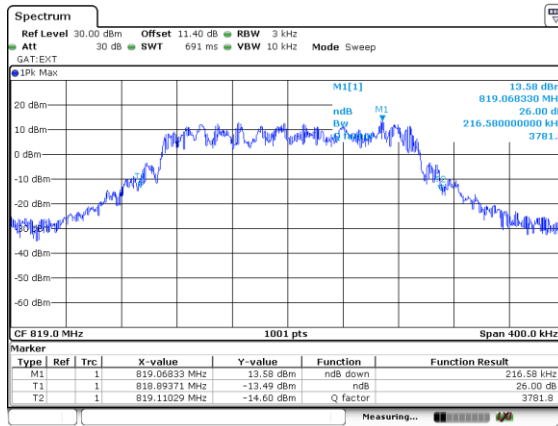
LTE Band 26

Lowest Channel / 15kHz / QPSK



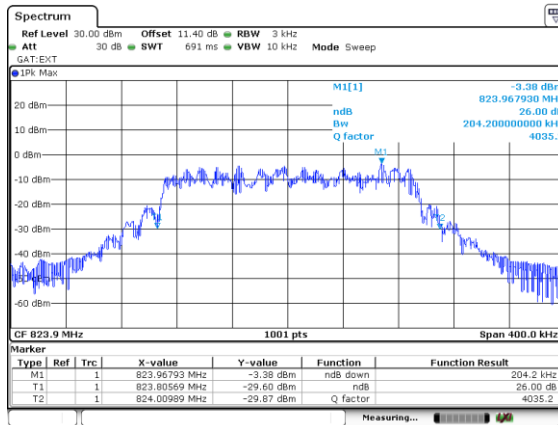
Date: 14.AUG.2024 01:27:44

Middle Channel / 15kHz / QPSK



Date: 14.AUG.2024 01:24:40

Highest Channel / 15kHz / QPSK



Date: 14.AUG.2024 01:22:47



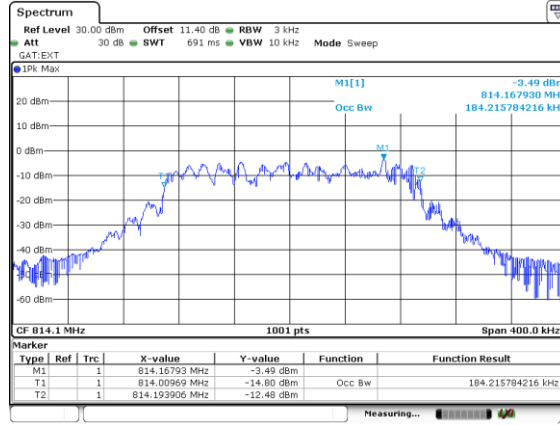
Occupied Bandwidth

Mode	LTE Band 26 : OB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Lowest CH	184.22
Middle CH	184.62
Highest CH	184.62



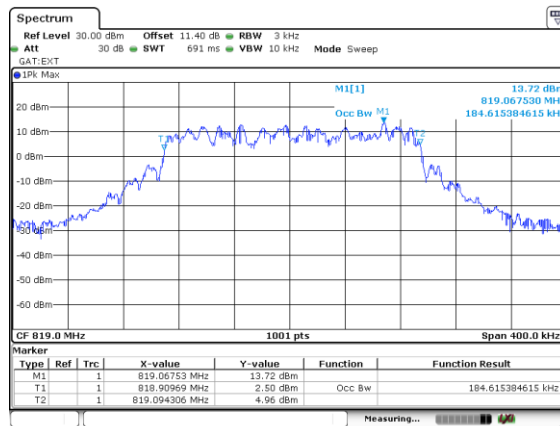
LTE Band 26

Lowest Channel / 15kHz / QPSK



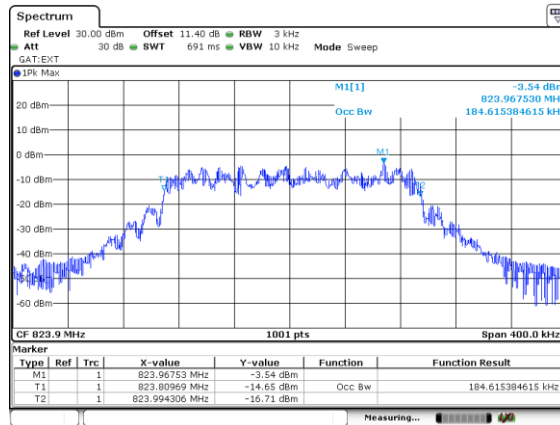
Date: 14.AUG.2024 01:32:04

Middle Channel / 15kHz / QPSK



Date: 14.AUG.2024 01:35:44

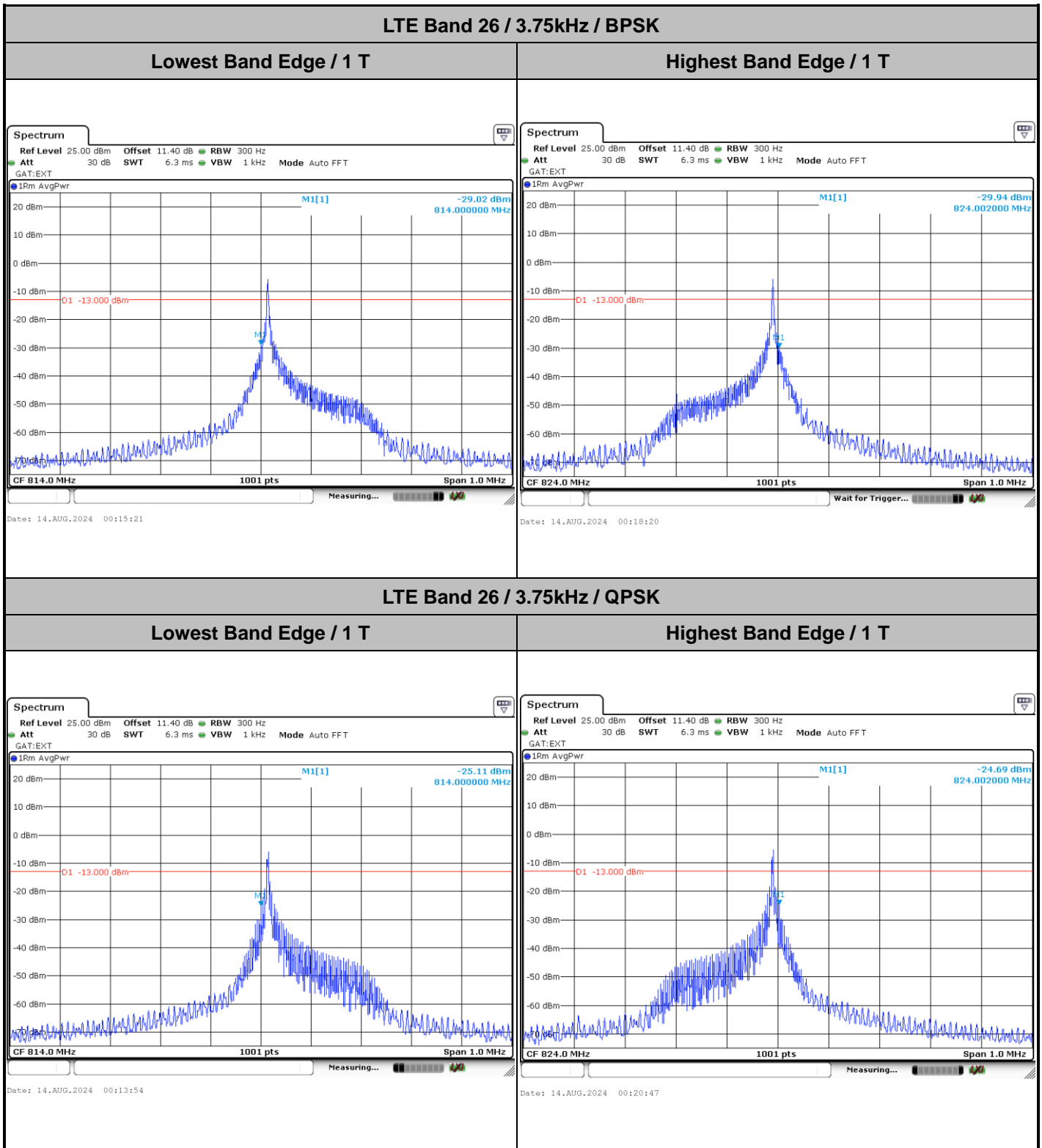
Highest Channel / 15kHz / QPSK



Date: 14.AUG.2024 01:38:00



Emission masks – In-band emissions

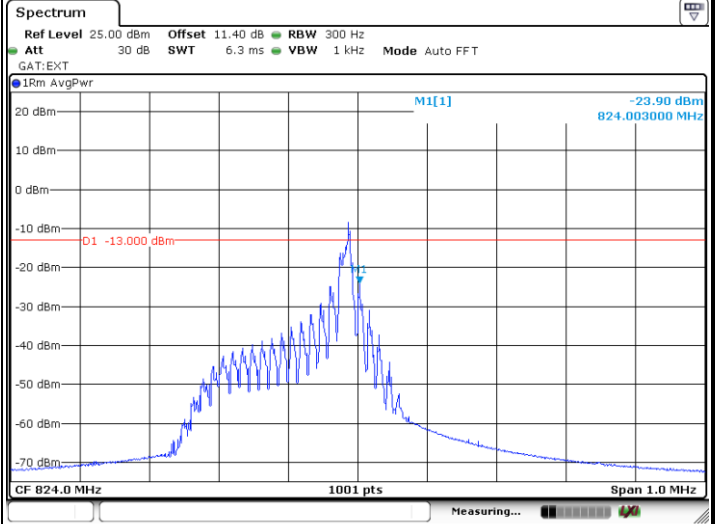
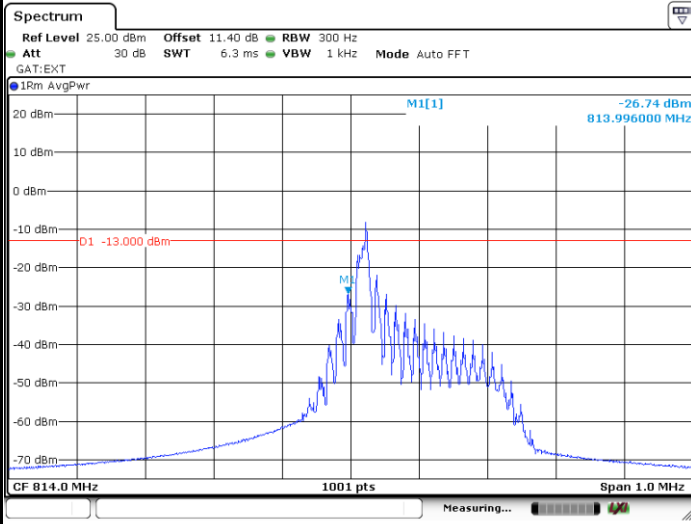




LTE Band 26 / 15kHz / BPSK

Lowest Band Edge / 1 T

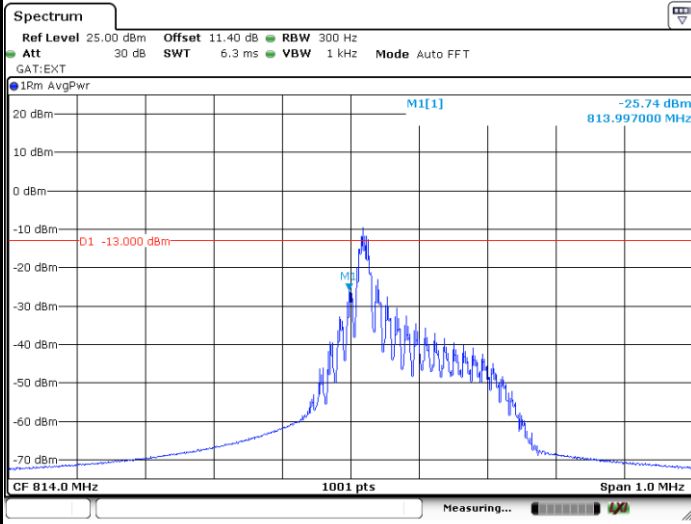
Highest Band Edge / 1 T



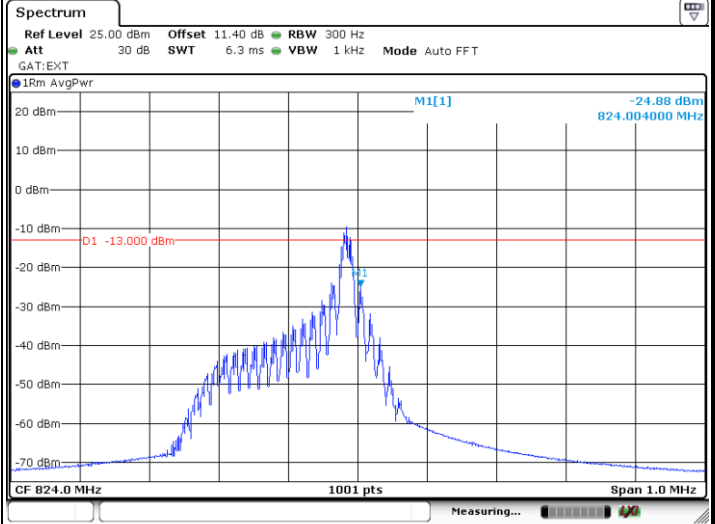


LTE Band 26 / 15kHz / QPSK

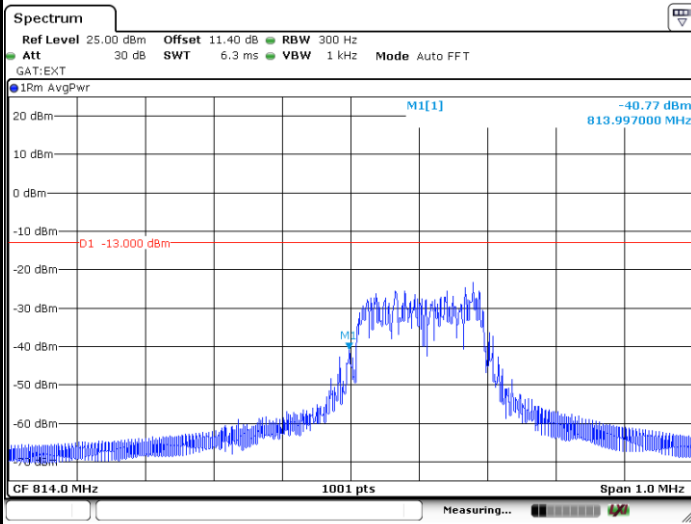
Lowest Band Edge / 1 T



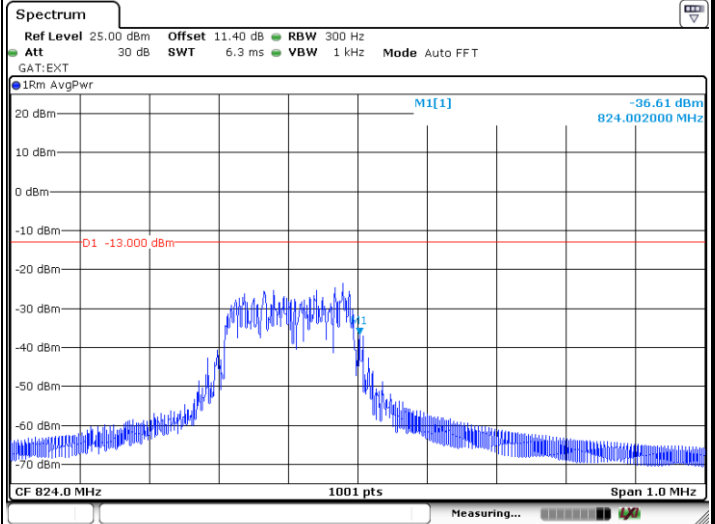
Highest Band Edge / 1 T



Lowest Band Edge / Full T

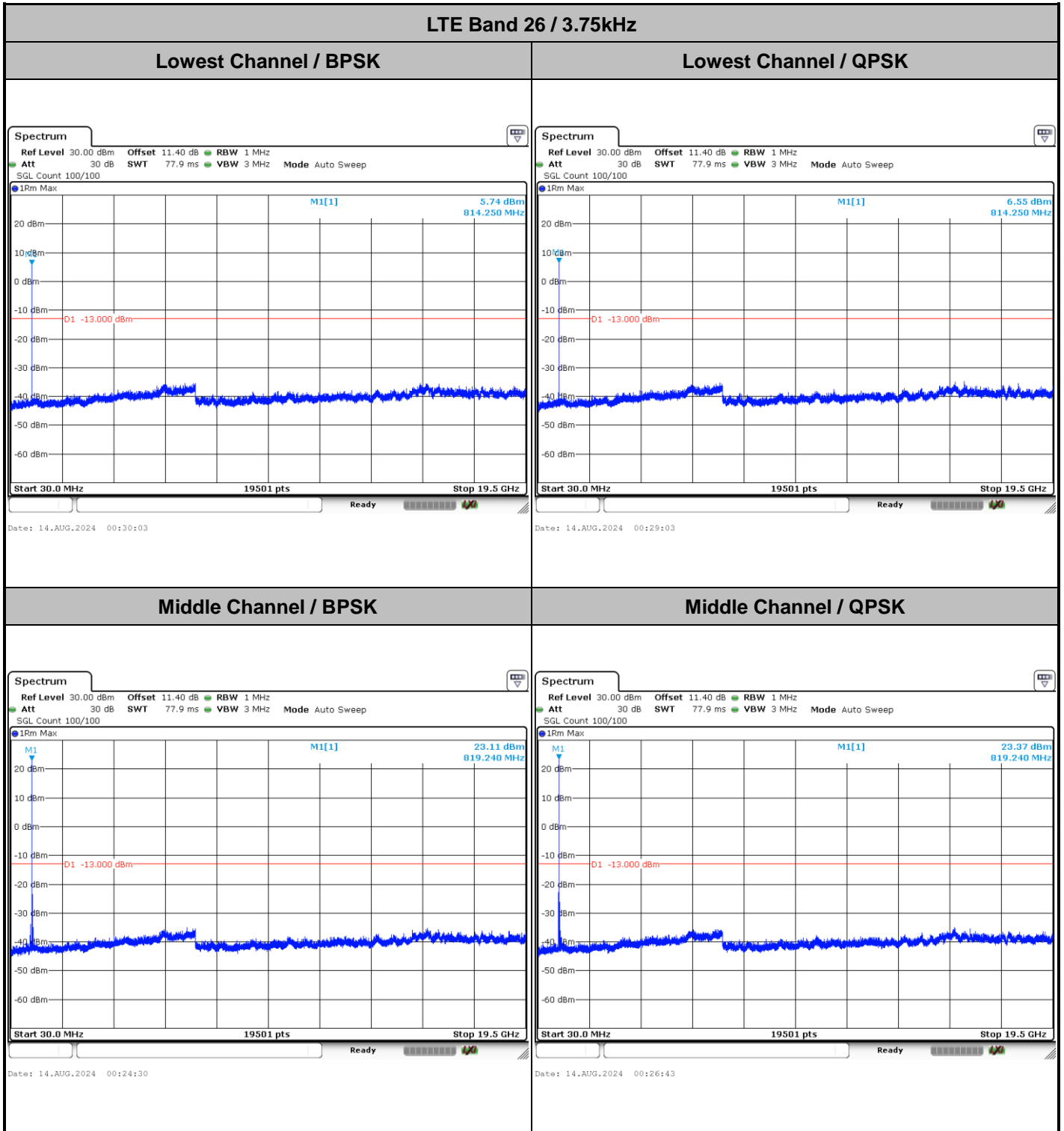


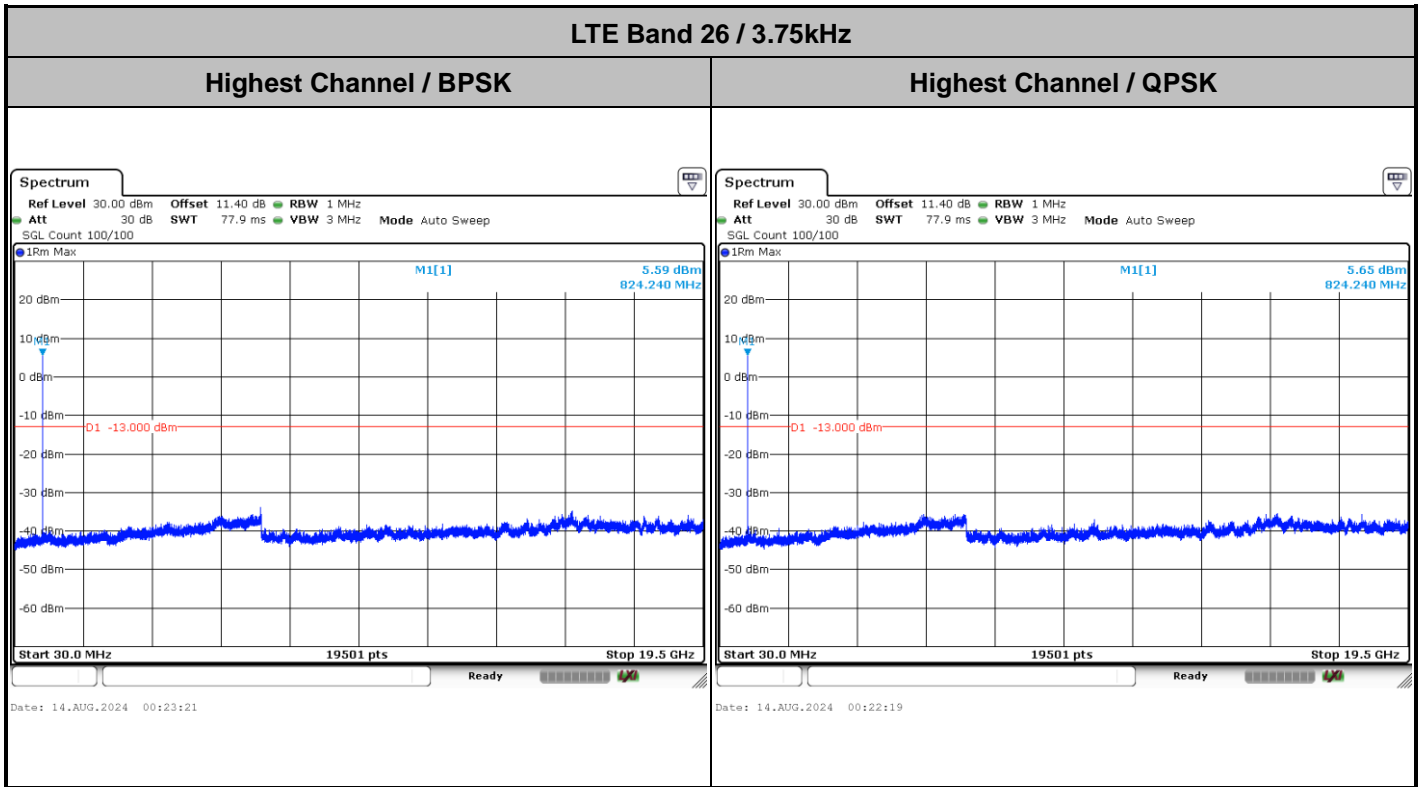
Highest Band Edge / Full T





Emission masks – Out of band emissions

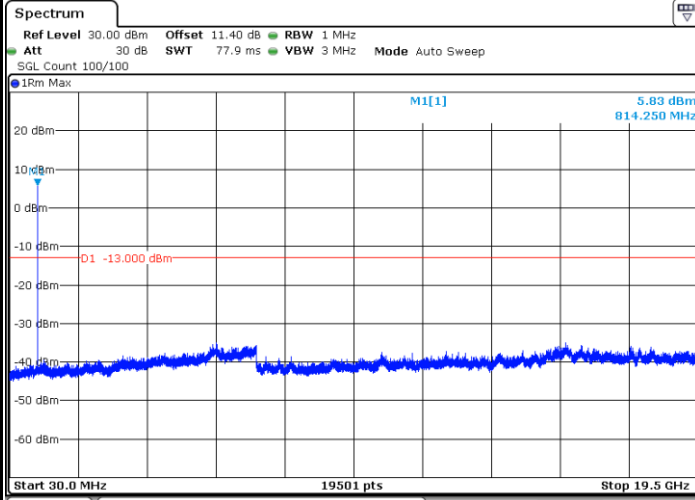




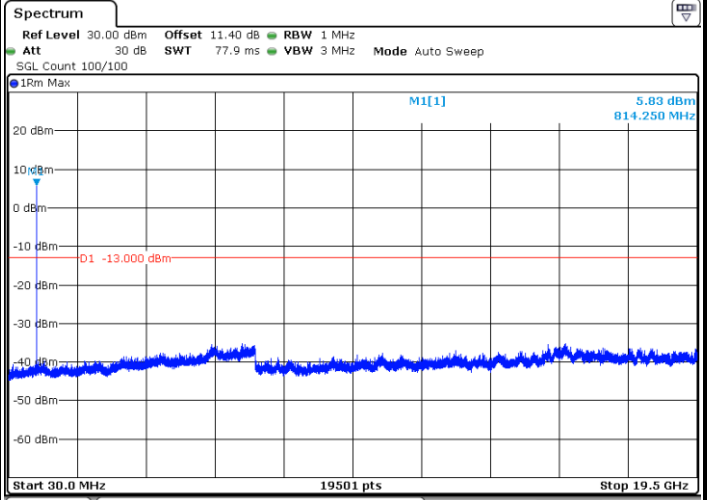


LTE Band 26 / 15kHz

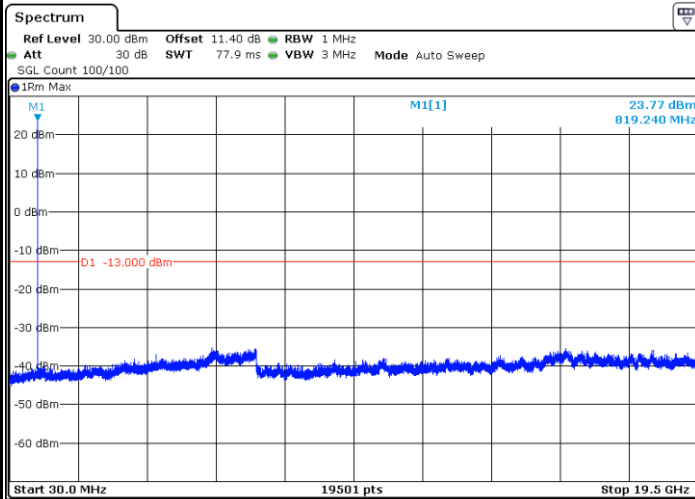
Lowest Channel / BPSK



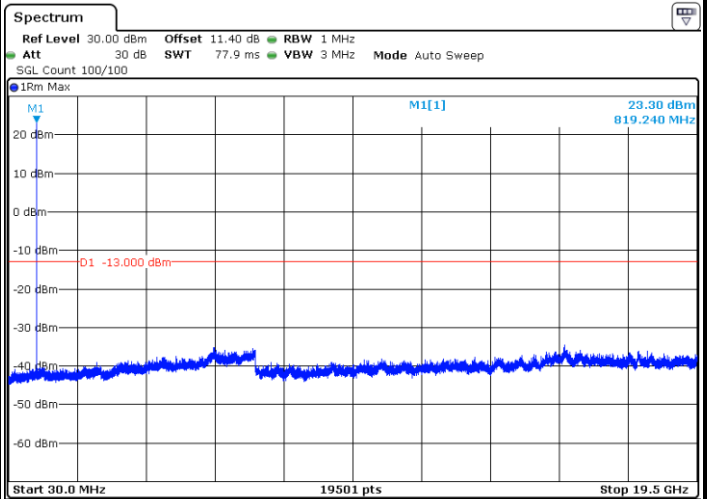
Lowest Channel / QPSK

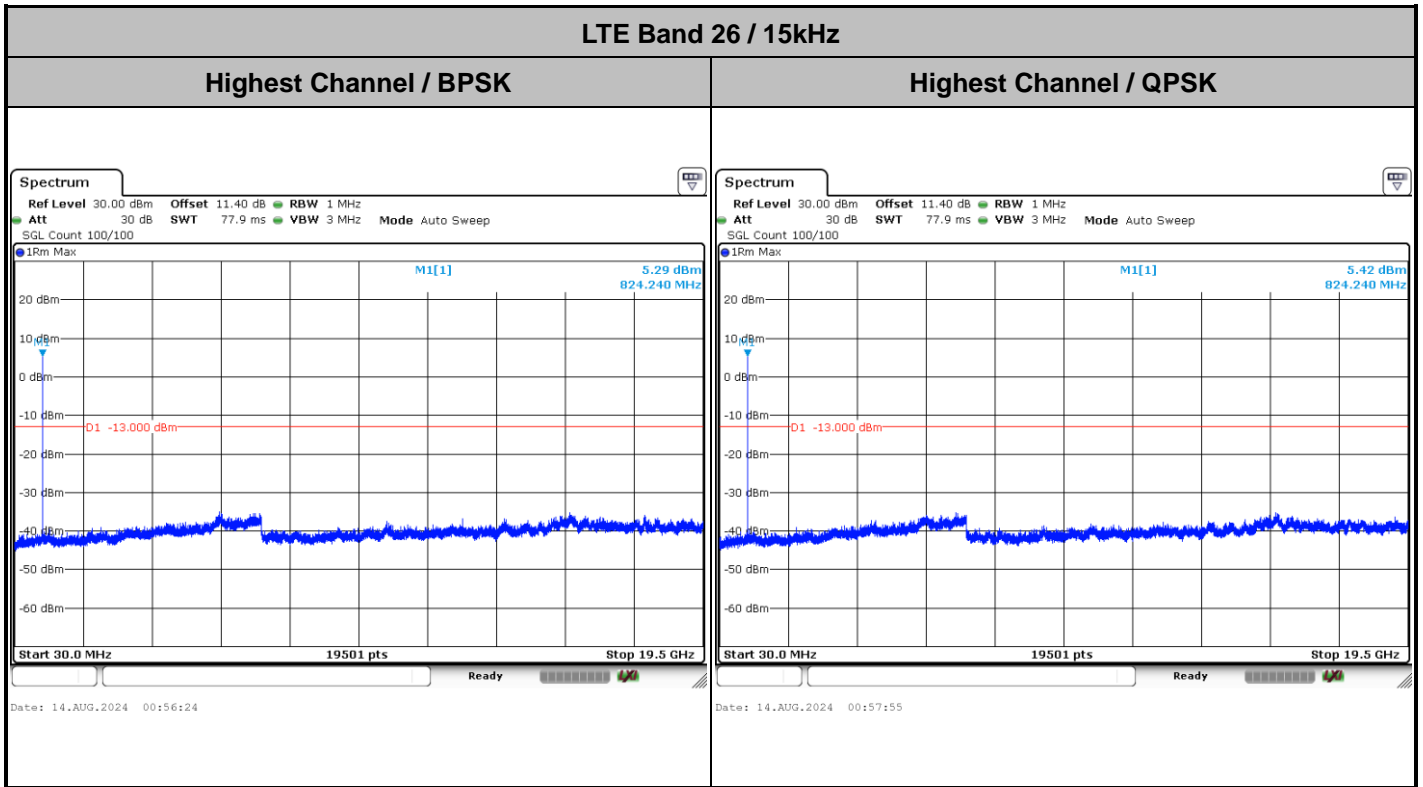


Middle Channel / BPSK



Middle Channel / QPSK







Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0114	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0099	
0	Normal Voltage	0.0071	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0095	
20	Maximum Voltage	0.0056	
20	Normal Voltage	0.0000	
20	Mimimum Voltage	0.0038	

Note: Normal Voltage = 110 V. ; Mimimum Voltage = 93.5 V. ; Maximum Voltage = 264.5 V.



Test Conditions		LTE Band 26 (QPSK) / Low Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0061	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0107	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0119	
20	Normal Voltage	0.0000	
20	Mimimum Voltage	0.0061	

Note: Normal Voltage = 110 V. ; Mimimum Voltage = 90 V. ; Maximum Voltage = 264 V.

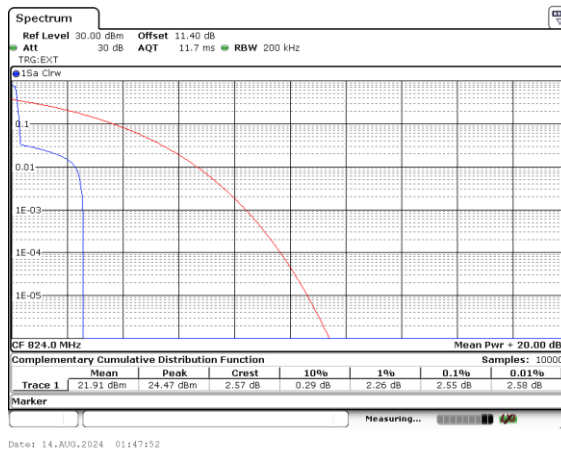


LTE Band 26 (Part 90S_824MHz)

Peak-to-Average Ratio

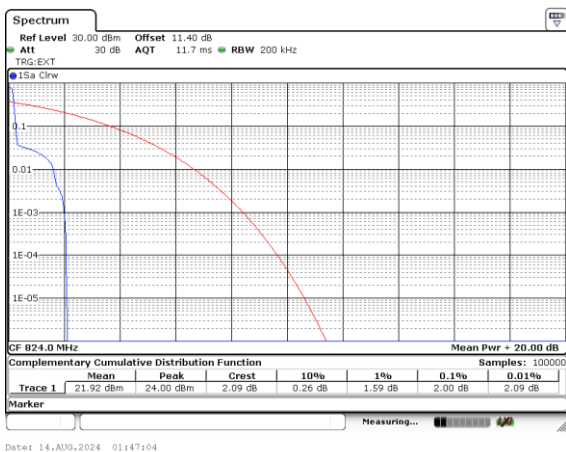
Mode	LTE Band 26 / 15kHz			
Mod.	BPSK	QPSK		Limit: 13dB
T Size	1T	1T	Full T	Result
Middle CH	2.55	2.00	3.86	PASS

LTE Band 26 / 15kHz / BPSK Middle Channel/ 1T

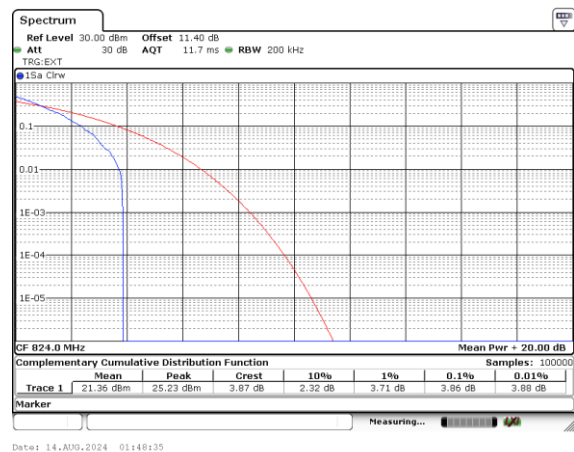


LTE Band 26 / 15kHz / QPSK

Middle Channel/ 1T



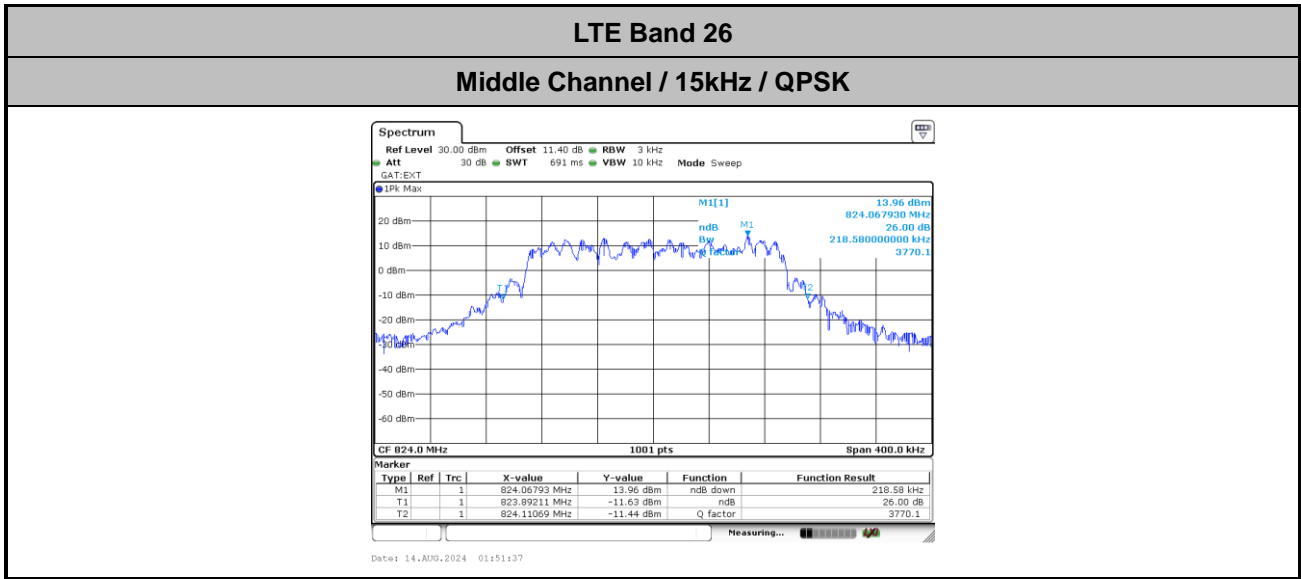
Middle Channel / Full T





26dB Bandwidth

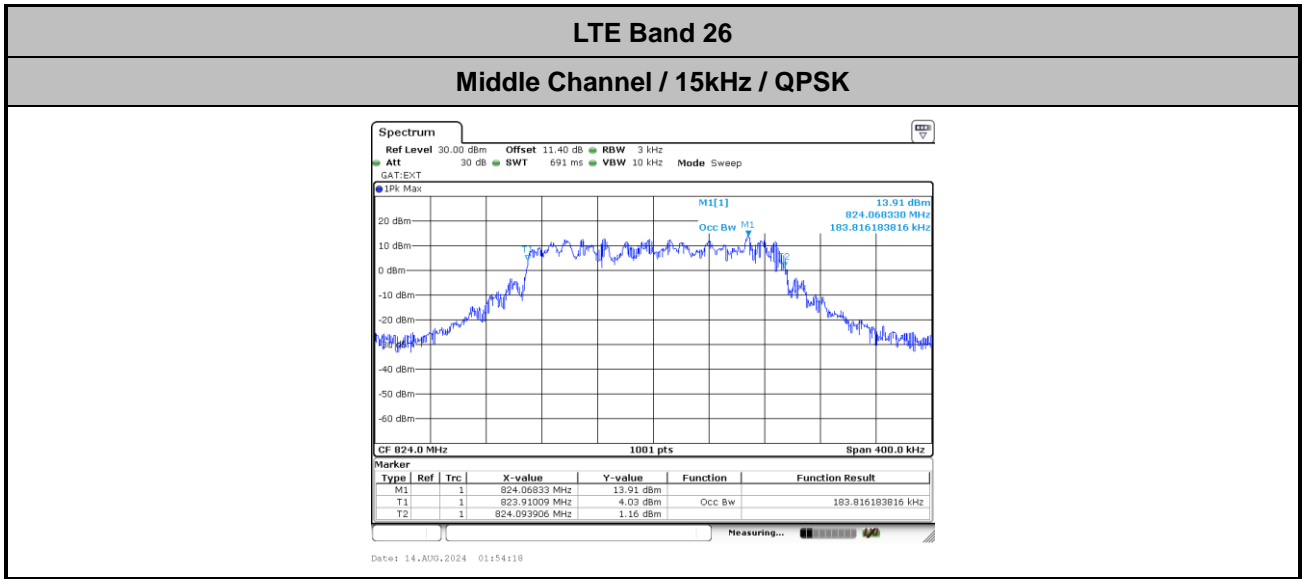
Mode	LTE Band 26 : 26dB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Middle CH	218.58





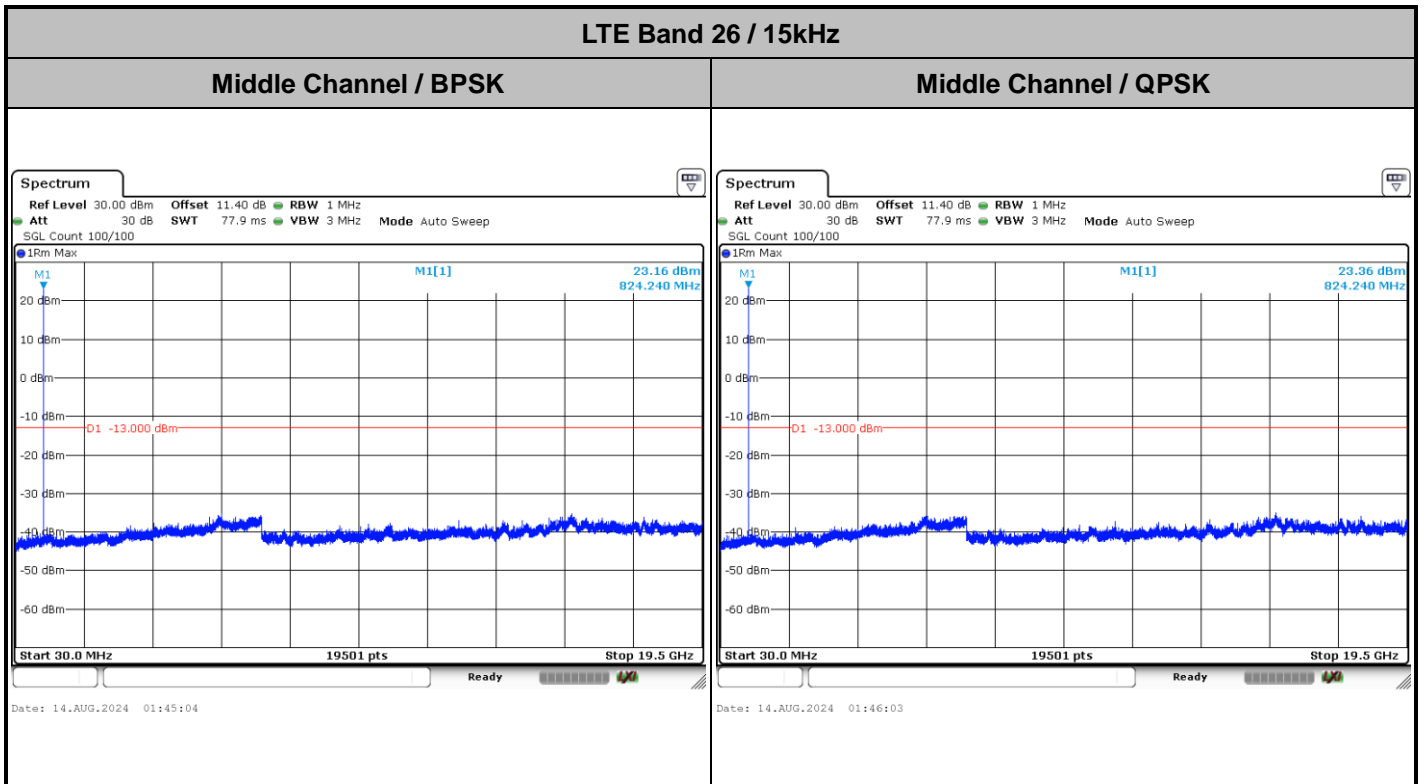
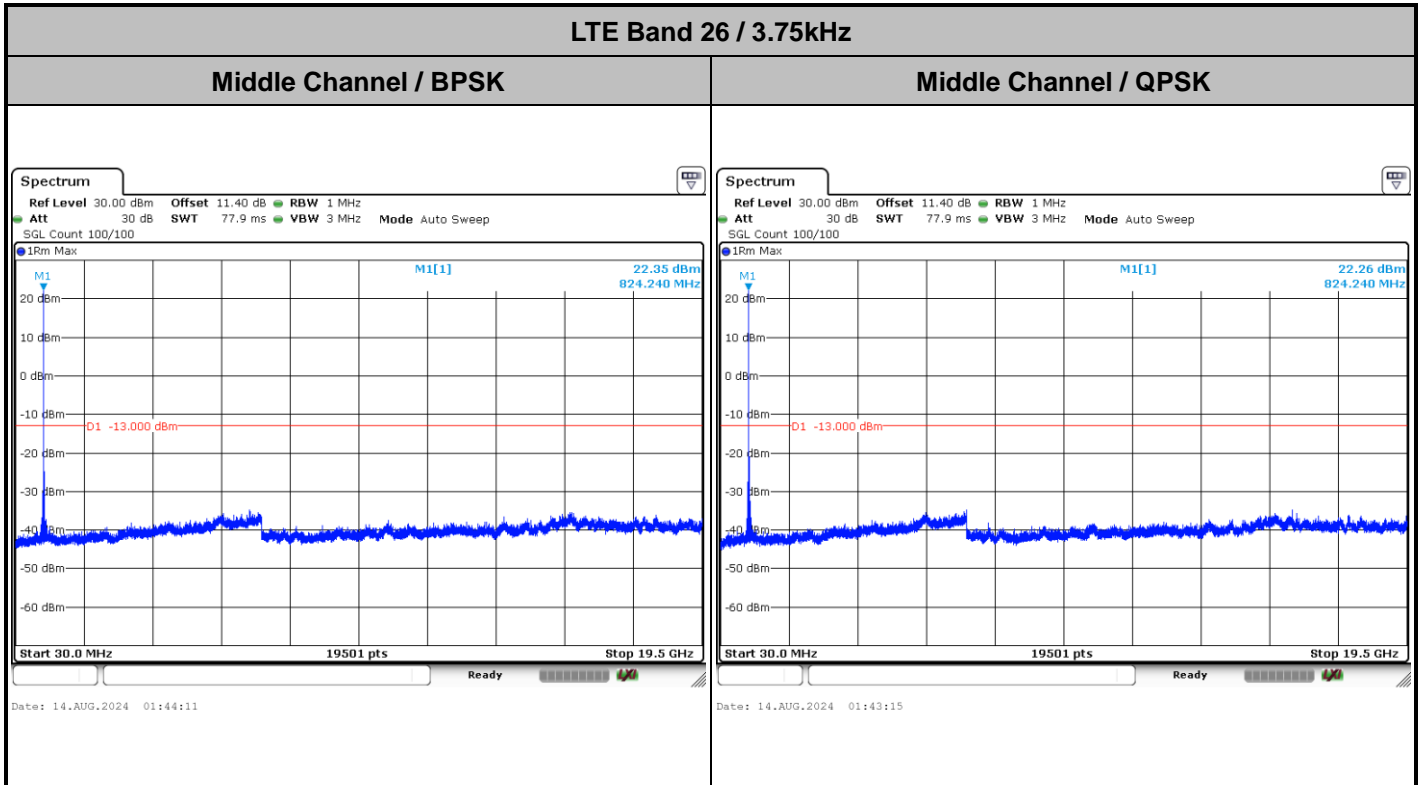
Occupied Bandwidth

Mode	LTE Band 26 : OB(kHz)
Subcarrier Spacing	15k
Mod.	QPSK
Middle CH	183.82





Conducted Spurious Emission





Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15kHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0114	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0099	
0	Normal Voltage	0.0071	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0095	
20	Maximum Voltage	0.0056	
20	Normal Voltage	0.0000	
20	Mimimum Voltage	0.0038	

Note: Normal Voltage = 110 V. ; Mimimum Voltage = 90 V. ; Maximum Voltage = 264 V.



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

<Sample 2>

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
2	Part 22H	NB-IoT B5	M	1680	-57.47	RMS	28.70	-52.04	0.31	-95.23	60.79	-13.00	-44.47	V	NB-IoT
4	Part 22H	NB-IoT B26	M	1680	-56.82	RMS	28.70	-52.04	0.31	-95.23	61.44	-13.00	-43.82	V	NB-IoT
2	Part 24E	NB-IoT B2	M	3765	-45.60	RMS	33.26	-48.94	0.67	-95.23	64.64	-13.00	-32.60	V	NB-IoT
2	Part 27H	NB-IoT B12	M	1416	-46.64	RMS	28.50	-52.75	0.41	-95.23	72.43	-13.00	-33.64	H	NB-IoT
2	Part 27L	NB-IoT B4	M	3465	-41.64	RMS	33.01	-49.13	0.76	-95.23	68.95	-13.00	-28.64	H	NB-IoT
4	Part 27F	NB-IoT B13	M	1568	-49.02	RMS	27.70	-52.32	0.33	-95.23	70.50	-42.15	-6.87	H	NB-IoT
2	Part 90S	NB-IoT B26	M	1640	-53.77	RMS	28.60	-52.14	0.31	-95.23	64.69	-13.00	-40.77	H	NB-IoT
8	Part 90S	NB-IoT B26	M	1648	-55.43	RMS	28.68	-52.12	0.31	-95.23	62.93	-13.00	-42.43	H	NB-IoT

<Sample 4>

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
5	Part 27F	NB-IoT B13	M	1568	-58.24	RMS	27.70	-52.32	0.33	-95.23	61.28	-42.15	-16.09	H	NB-IoT
9	Part 90S	NB-IoT B26	M	1640	-56.12	RMS	28.60	-52.14	0.31	-95.23	62.34	-13.00	-43.12	H	NB-IoT

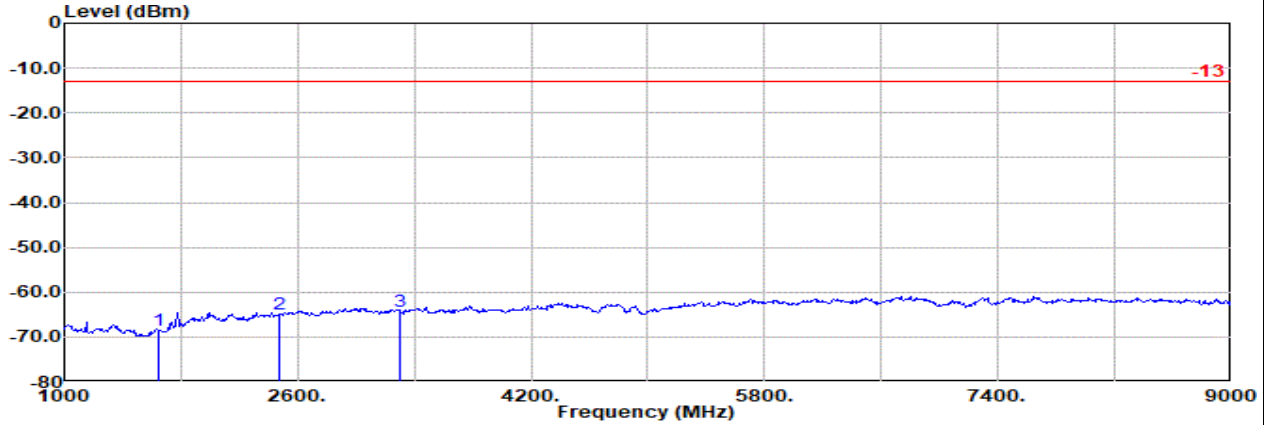


NB-IoT

Part 22H Mode 2

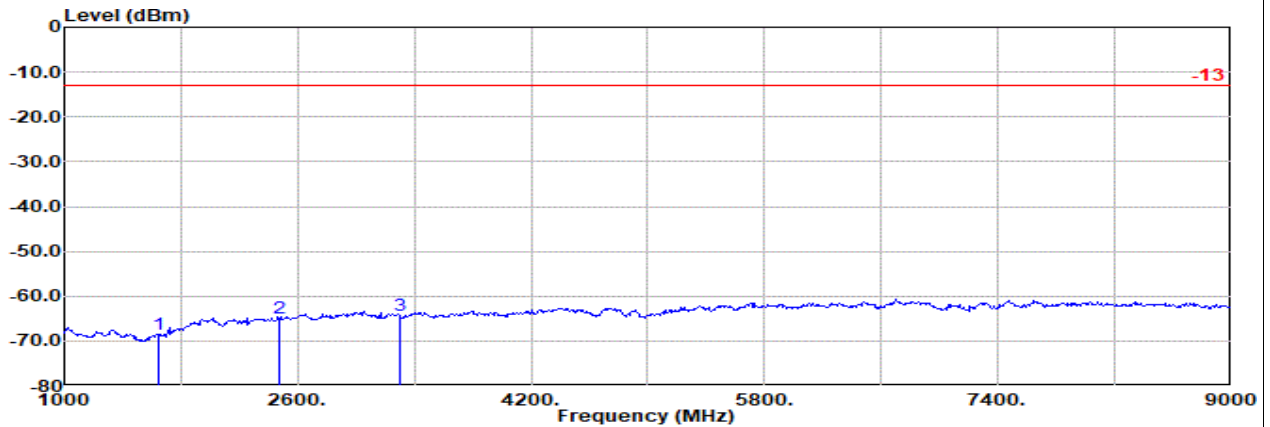
NB-IoT B5 15k Ch20401 1RB0 BPSK

L



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 5 15k CH20401 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1648.00	-68.50	RMS	28.68	-52.12	0.31	-95.23	49.86	-13.00	-55.50	Horizontal	
2	2472.00	-64.99	RMS	32.10	-50.41	0.30	-95.23	48.25	-13.00	-51.99	Horizontal	
3	3296.00	-64.36	RMS	32.79	-49.21	0.14	-95.23	47.15	-13.00	-51.36	Horizontal	



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 5 15k CH20401 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1648.00	-68.50	RMS	28.68	-52.12	0.31	-95.23	49.86	-13.00	-55.50	Vertical	
2	2472.00	-64.87	RMS	32.10	-50.41	0.30	-95.23	48.37	-13.00	-51.87	Vertical	
3	3296.00	-64.15	RMS	32.79	-49.21	0.14	-95.23	47.36	-13.00	-51.15	Vertical	

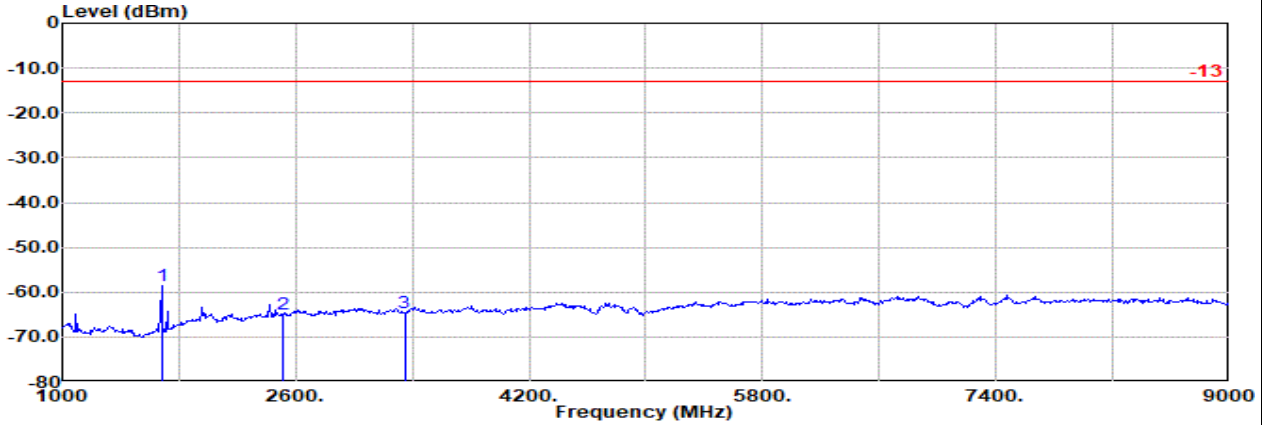


NB-IoT

Part 22H Mode 2

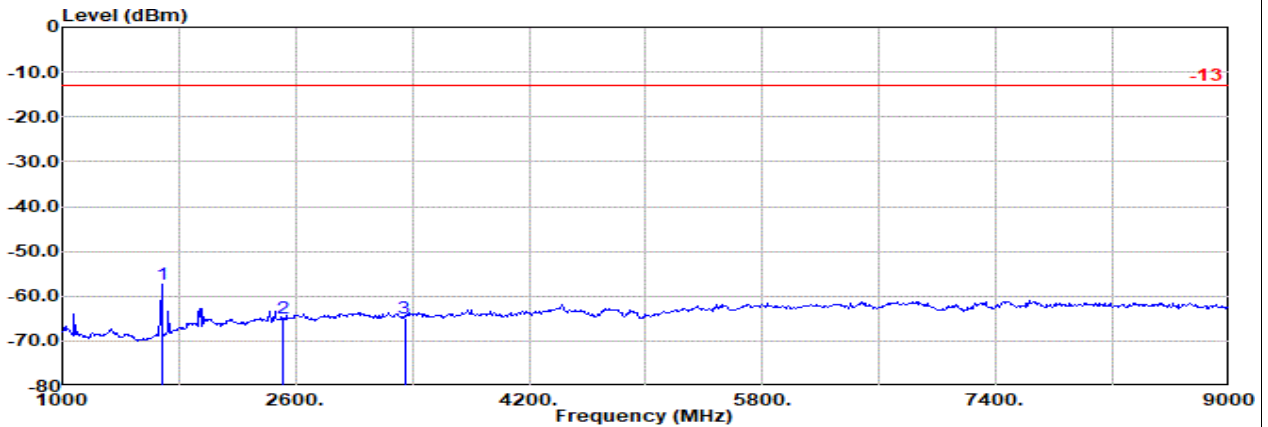
NB-IoT B5 15k Ch20525 1RB0 BPSK

M



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 5 15k CH20525 1RB0 BPSK

1	2	3	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
Freq	Level	Detector	Factor	1	dB	dB	dB	dBuV	dBm	dB	
MHz	dBm		dB/m	dB	dB	dB	dB				
1680.00	-58.55	RMS	28.70	-52.04	0.31	-95.23	59.71	-13.00	-45.55	Horizontal	
2510.00	-65.05	RMS	32.40	-50.34	0.25	-95.23	47.87	-13.00	-52.05	Horizontal	
3346.00	-64.72	RMS	32.89	-49.17	0.14	-95.23	46.65	-13.00	-51.72	Horizontal	



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 5 15k CH20525 1RB0 BPSK

1	2	3	Ant Amp\Cb		Filter	EIRPCF		Readin g	Limit	Margin	Pol
Freq	Level	Detector	Factor	1	dB	dB	dB	dBuV	dBm	dB	
MHz	dBm		dB/m	dB	dB	dB	dB				
1680.00	-57.47	RMS	28.70	-52.04	0.31	-95.23	60.79	-13.00	-44.47	Vertical	
2510.00	-64.90	RMS	32.40	-50.34	0.25	-95.23	48.02	-13.00	-51.90	Vertical	
3346.00	-64.76	RMS	32.89	-49.17	0.14	-95.23	46.61	-13.00	-51.76	Vertical	

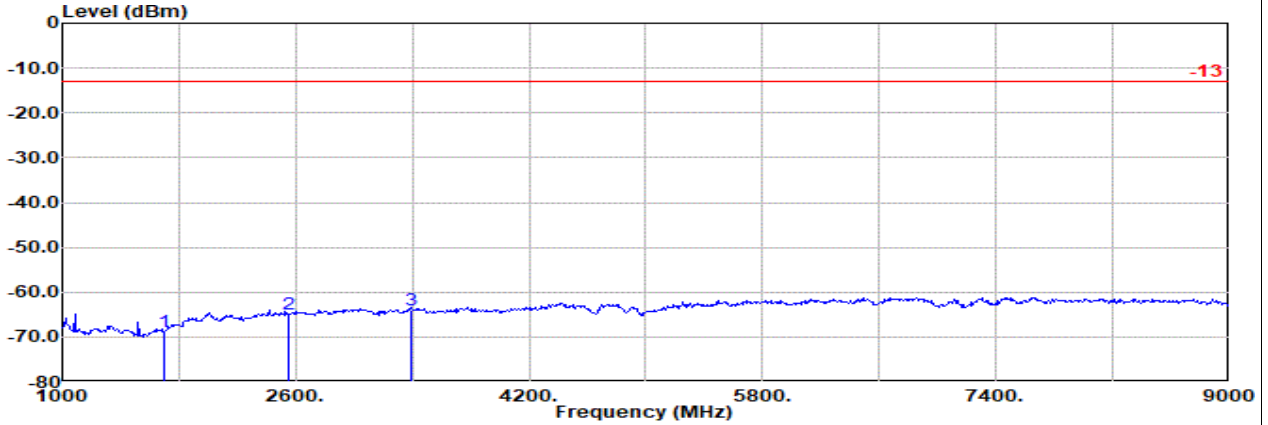


NB-IoT

Part 22H Mode 2

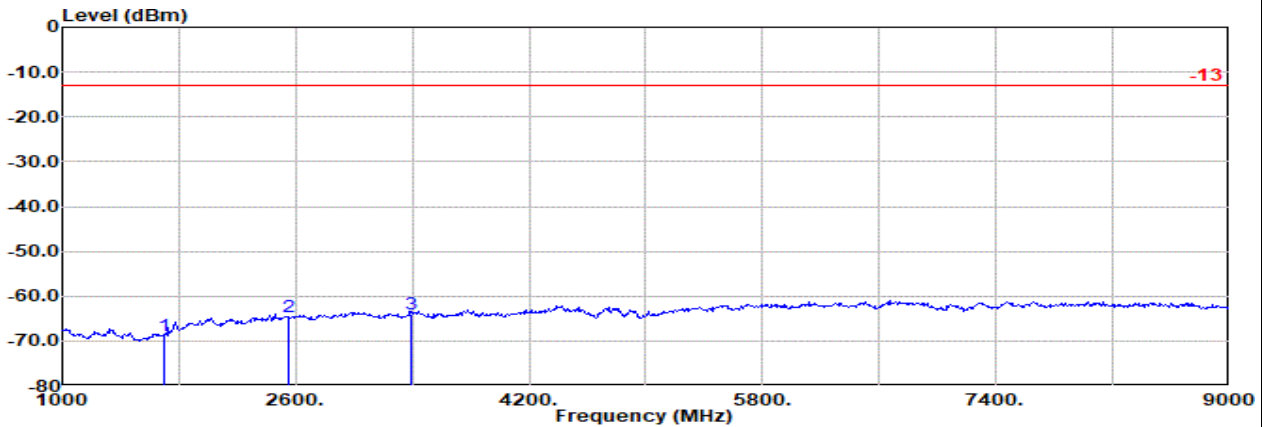
NB-IoT B5 15k Ch20649 1RB0 BPSK

H



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 5 15k CH20649 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1696.00	-68.72	RMS	28.76	-52.00	0.31	-95.23	49.44	-13.00	-55.72	Horizontal
2	2547.00	-64.80	RMS	32.57	-50.27	0.20	-95.23	47.93	-13.00	-51.80	Horizontal
3	3396.00	-64.02	RMS	33.08	-49.13	0.15	-95.23	47.11	-13.00	-51.02	Horizontal



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 5 15k CH20649 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1696.00	-68.80	RMS	28.76	-52.00	0.31	-95.23	49.36	-13.00	-55.80	Vertical
2	2547.00	-64.52	RMS	32.57	-50.27	0.20	-95.23	48.21	-13.00	-51.52	Vertical
3	3396.00	-63.98	RMS	33.08	-49.13	0.15	-95.23	47.15	-13.00	-50.98	Vertical

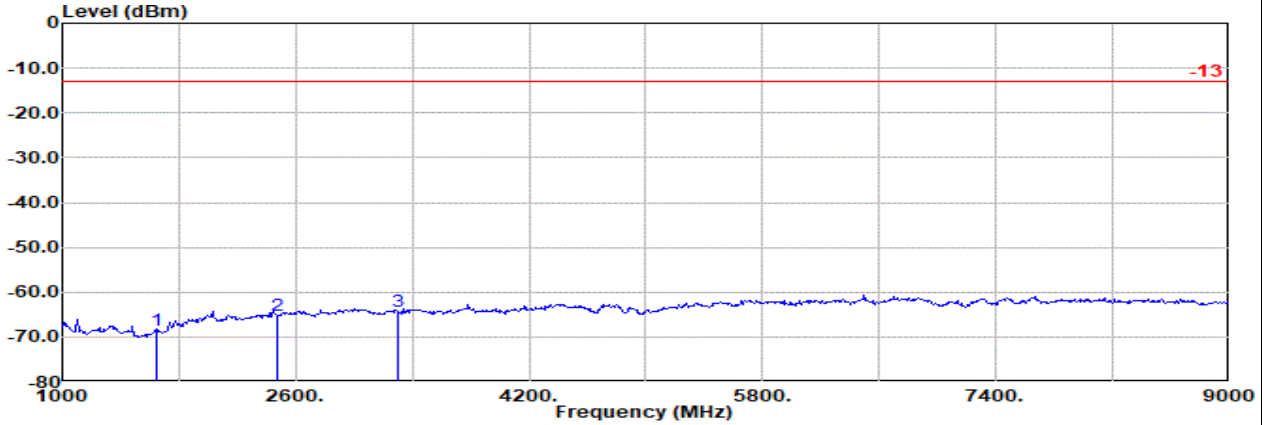


NB-IoT

Part 22H Mode 4

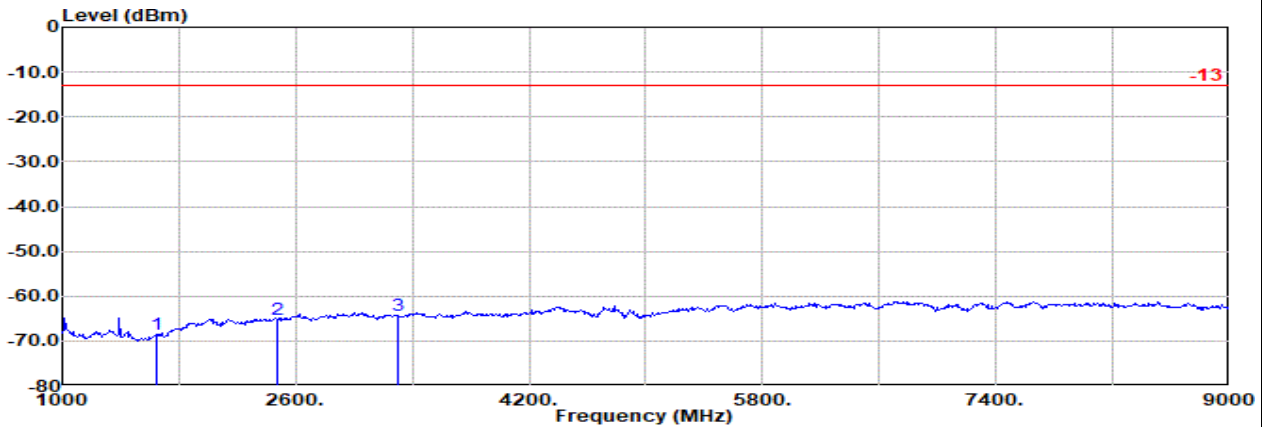
NB-IoT B26 15k Ch26791 1RB0 BPSK

L



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 26 15k CH26791 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1648.00	-68.50	RMS	28.68	-52.12	0.31	-95.23	49.86	-13.00	-55.50	Horizontal	
2	2472.00	-65.12	RMS	32.10	-50.41	0.30	-95.23	48.12	-13.00	-52.12	Horizontal	
3	3296.00	-64.42	RMS	32.79	-49.21	0.14	-95.23	47.09	-13.00	-51.42	Horizontal	



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 26 15k CH26791 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1648.00	-68.58	RMS	28.68	-52.12	0.31	-95.23	49.78	-13.00	-55.58	Vertical	
2	2472.00	-65.07	RMS	32.10	-50.41	0.30	-95.23	48.17	-13.00	-52.07	Vertical	
3	3296.00	-64.32	RMS	32.79	-49.21	0.14	-95.23	47.19	-13.00	-51.32	Vertical	

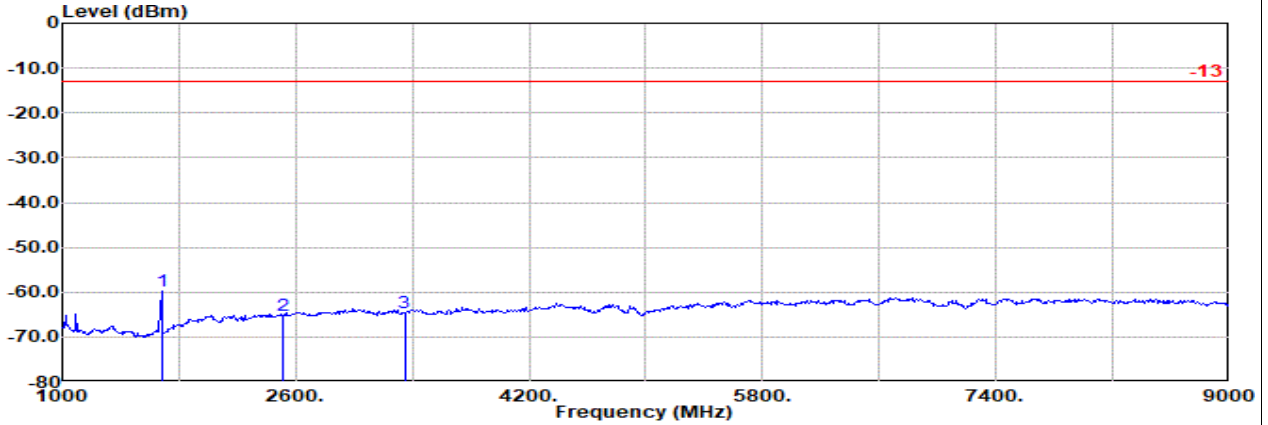


NB-IoT

Part 22H Mode 4

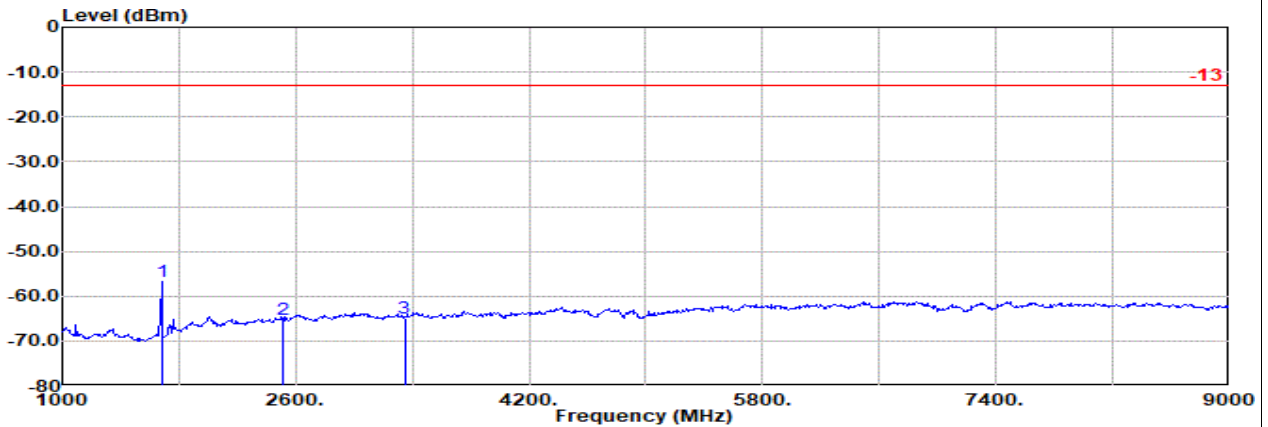
NB-IoT B26 15k Ch26915 1RB0 BPSK

M



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 26 15k CH26915 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1680.00	-59.79	RMS	28.70	-52.04	0.31	-95.23	58.47	-13.00	-46.79	Horizontal	
2	2509.00	-65.23	RMS	32.39	-50.34	0.25	-95.23	47.70	-13.00	-52.23	Horizontal	
3	3346.00	-64.56	RMS	32.89	-49.17	0.14	-95.23	46.81	-13.00	-51.56	Horizontal	



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 26 15k CH26915 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1680.00	-56.82	RMS	28.70	-52.04	0.31	-95.23	61.44	-13.00	-43.82	Vertical	
2	2509.00	-65.28	RMS	32.39	-50.34	0.25	-95.23	47.65	-13.00	-52.28	Vertical	
3	3346.00	-64.76	RMS	32.89	-49.17	0.14	-95.23	46.61	-13.00	-51.76	Vertical	

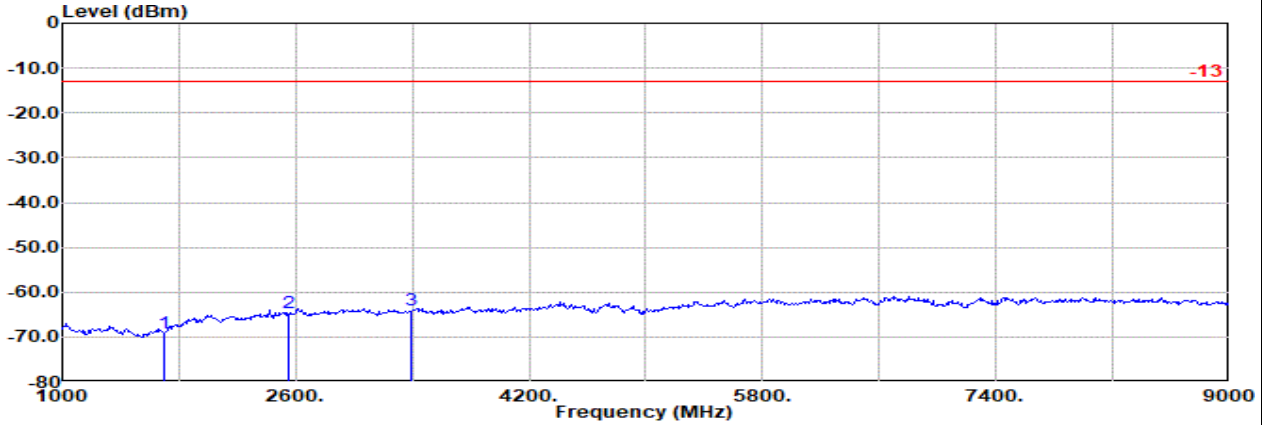


NB-IoT

Part 22H Mode 4

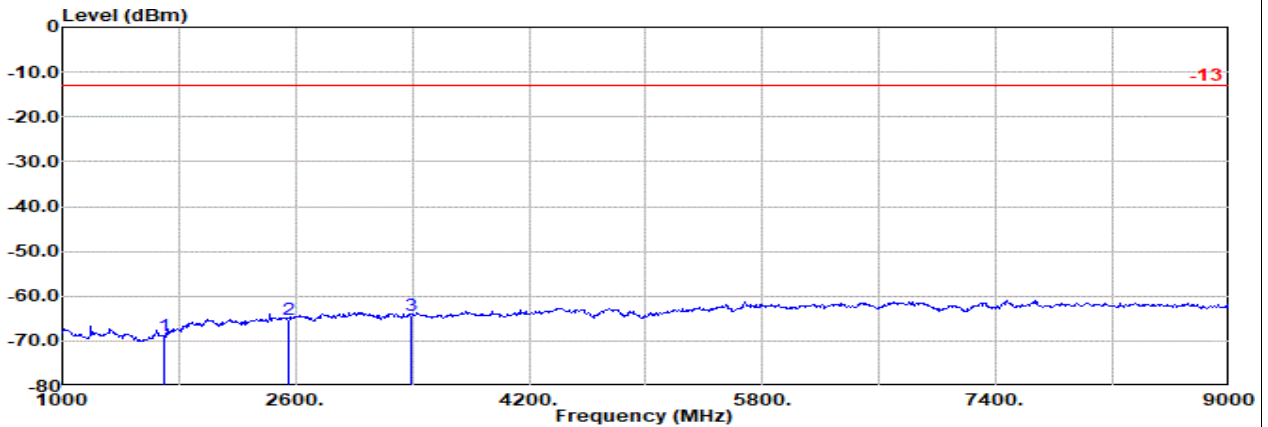
NB-IoT B26 15k Ch27039 1RB0 BPSK

H



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 26 15k CH27039 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1696.00	-69.10	RMS	28.76	-52.00	0.31	-95.23	-95.23	49.06	-13.00	-56.10	Horizontal
2	2547.00	-64.70	RMS	32.57	-50.27	0.20	-95.23	-95.23	48.03	-13.00	-51.70	Horizontal
3	3396.00	-64.07	RMS	33.08	-49.13	0.15	-95.23	-95.23	47.06	-13.00	-51.07	Horizontal



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 26 15k CH27039 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1696.00	-68.93	RMS	28.76	-52.00	0.31	-95.23	-95.23	49.23	-13.00	-55.93	Vertical
2	2547.00	-65.33	RMS	32.57	-50.27	0.20	-95.23	-95.23	47.40	-13.00	-52.33	Vertical
3	3396.00	-64.16	RMS	33.08	-49.13	0.15	-95.23	-95.23	46.97	-13.00	-51.16	Vertical

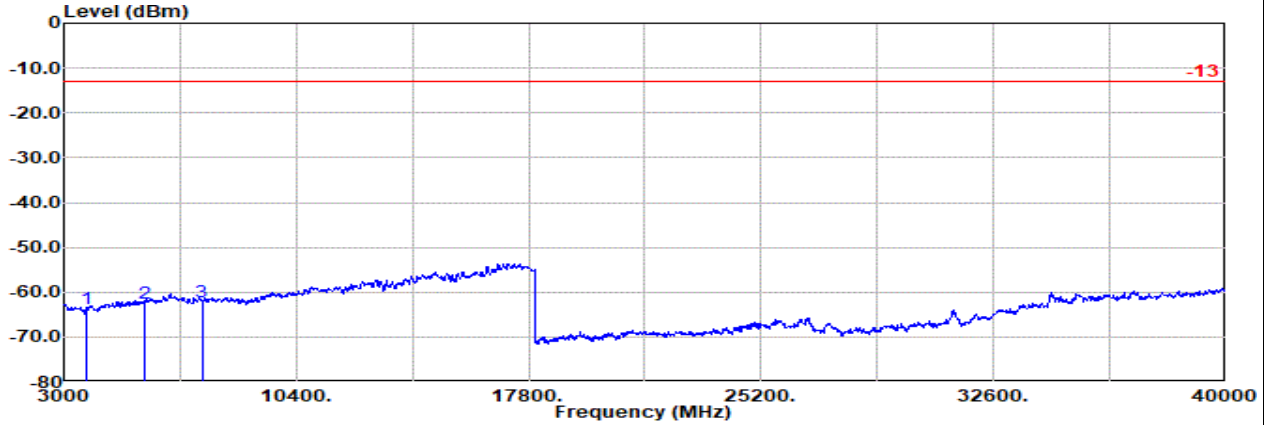


NB-IoT

Part 24E Mode 2

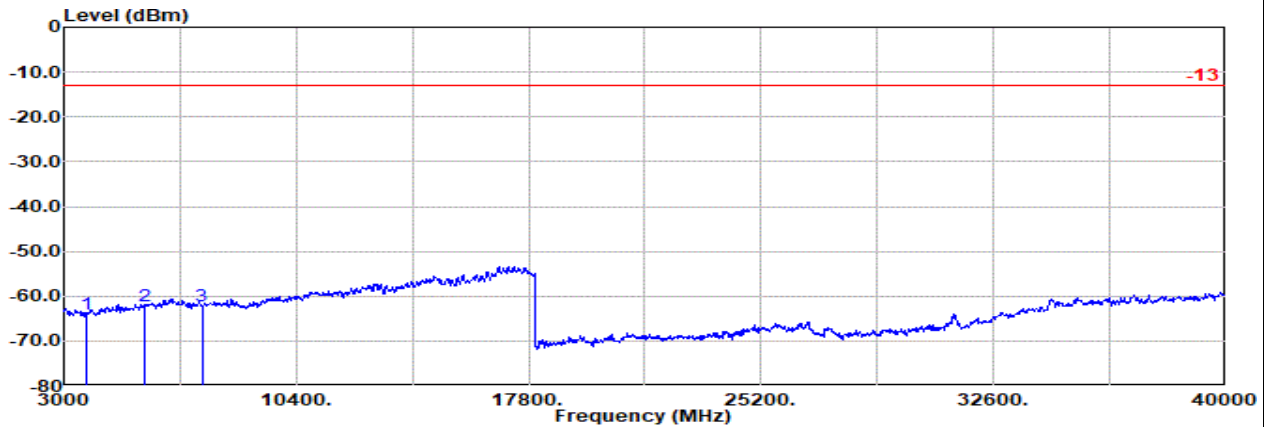
NB-IoT B2 15k Ch18601 1RB0 BPSK

L



Site : 03CH07-HY
 Condition: -13 1m SHF-EHF_9170251 Horizontal
 Mode : NB IOT Band 2 15K CH18601 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-63.84	RMS	33.11	-49.00	0.67	-95.23	46.61	-13.00	-50.84	Horizontal
2	5550.00	-62.53	RMS	34.70	-44.10	0.51	-95.23	41.59	-13.00	-49.53	Horizontal
3	7395.00	-62.15	RMS	35.71	-42.98	0.32	-95.23	40.03	-13.00	-49.15	Horizontal



Site : 03CH07-HY
 Condition: -13 1m SHF-EHF_9170251 Vertical
 Mode : NB IOT Band 2 15K CH18601 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3705.00	-63.89	RMS	33.11	-49.00	0.67	-95.23	46.56	-13.00	-50.89	Vertical
2	5550.00	-62.09	RMS	34.70	-44.10	0.51	-95.23	42.03	-13.00	-49.09	Vertical
3	7395.00	-62.06	RMS	35.71	-42.98	0.32	-95.23	40.12	-13.00	-49.06	Vertical

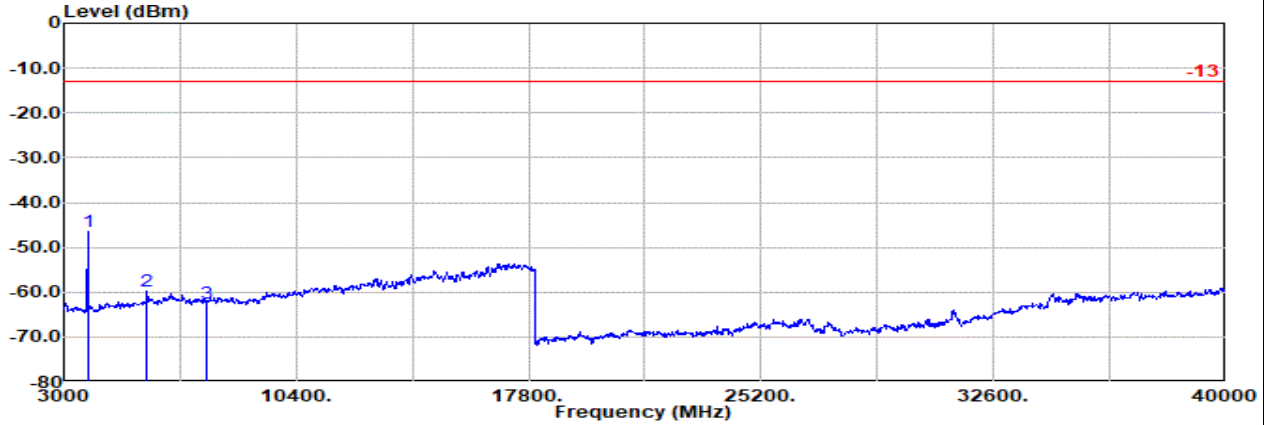


NB-IoT

Part 24E Mode 2

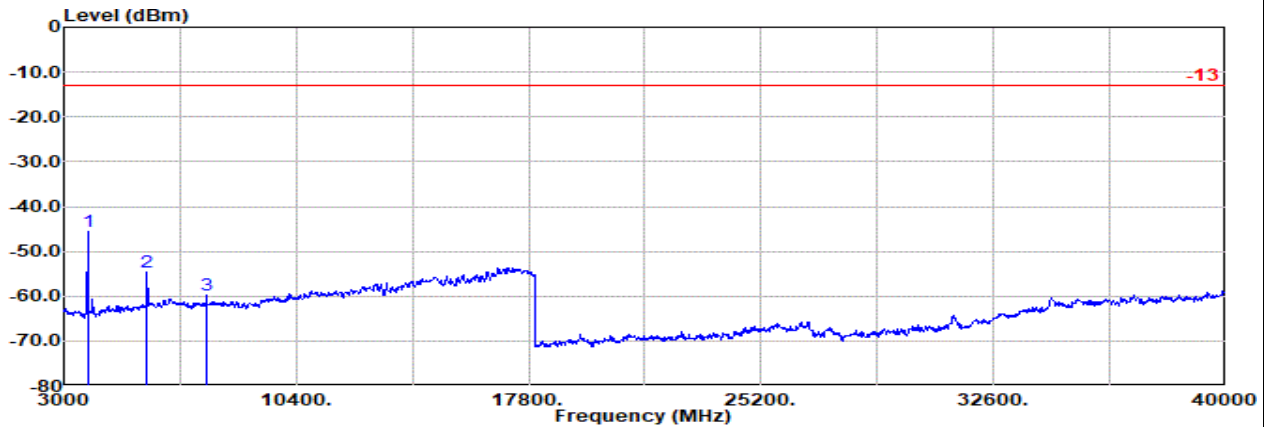
NB-IoT B2 15k Ch18900 1RB0 BPSK

M



Site : 03CH07-HY
 Condition: -13 1m SHF-EHF_9170251 Horizontal
 Mode : NB IOT Band 2 15K CH18900 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-46.45	RMS	33.26	-48.94	0.67	-95.23	63.79	-13.00	-33.45	Horizontal
2	5640.00	-59.86	RMS	34.94	-43.86	0.47	-95.23	43.82	-13.00	-46.86	Horizontal
3	7530.00	-62.47	RMS	35.62	-43.01	0.34	-95.23	39.81	-13.00	-49.47	Horizontal



Site : 03CH07-HY
 Condition: -13 1m SHF-EHF_9170251 Vertical
 Mode : NB IOT Band 2 15K CH18900 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3765.00	-45.60	RMS	33.26	-48.94	0.67	-95.23	64.64	-13.00	-32.60	Vertical
2	5640.00	-54.75	RMS	34.94	-43.86	0.47	-95.23	48.93	-13.00	-41.75	Vertical
3	7530.00	-59.87	RMS	35.62	-43.01	0.34	-95.23	42.41	-13.00	-46.87	Vertical

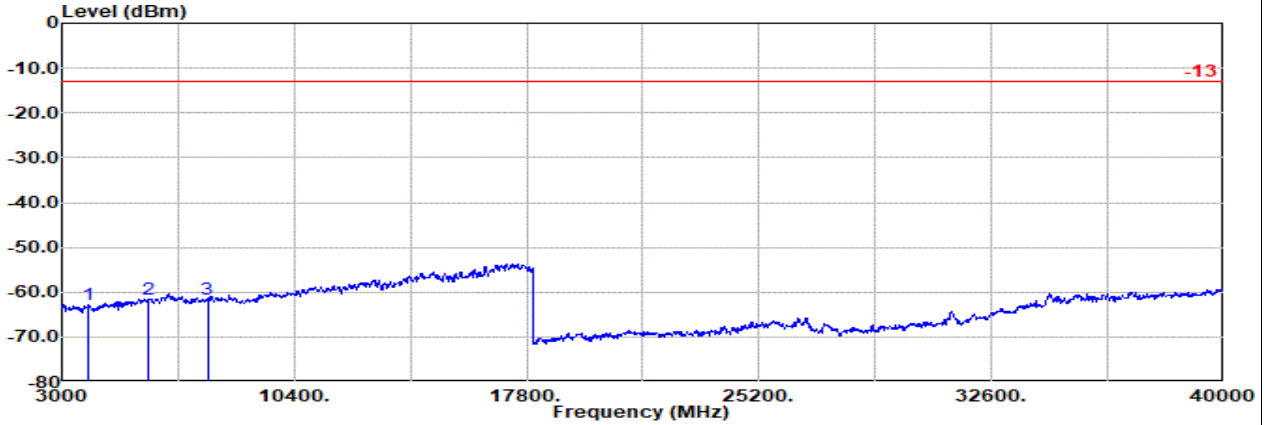


NB-IoT

Part 24E Mode 2

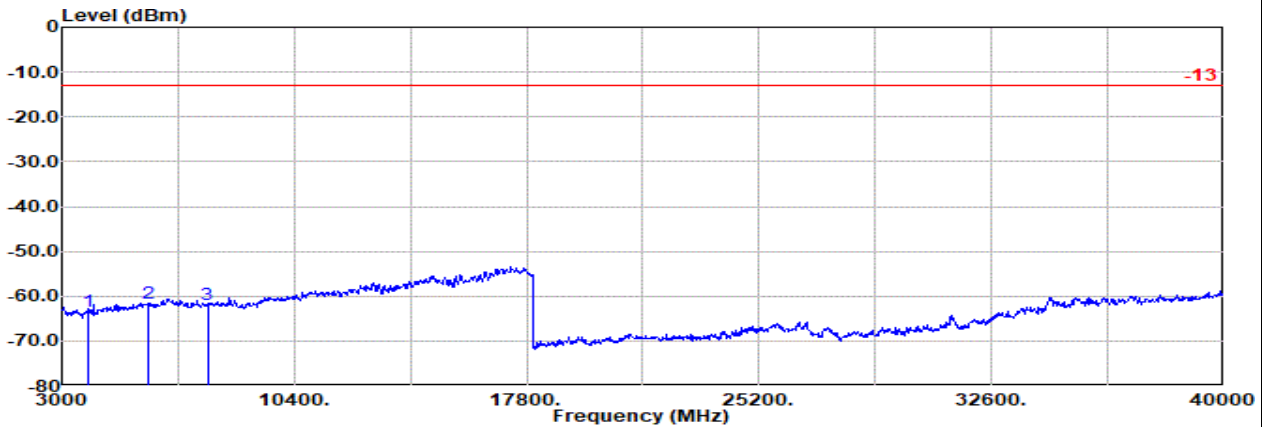
NB-IoT B2 15k Ch19199 1RB0 BPSK

H



Site : 03CH07-HY
 Condition: -13 1m SHF-EHF_9170251 Horizontal
 Mode : NB IOT Band 2 15K CH19199 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3825.00	-62.91	RMS	33.45	-48.90	0.66	-95.23	47.11	-13.00	-49.91	Horizontal
2	5730.00	-61.50	RMS	35.20	-43.60	0.35	-95.23	41.78	-13.00	-48.50	Horizontal
3	7635.00	-61.65	RMS	35.90	-42.88	0.35	-95.23	40.21	-13.00	-48.65	Horizontal



Site : 03CH07-HY
 Condition: -13 1m SHF-EHF_9170251 Vertical
 Mode : NB IOT Band 2 15K CH19199 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3825.00	-63.38	RMS	33.45	-48.90	0.66	-95.23	46.64	-13.00	-50.38	Vertical
2	5730.00	-61.69	RMS	35.20	-43.60	0.35	-95.23	41.59	-13.00	-48.69	Vertical
3	7635.00	-61.83	RMS	35.90	-42.88	0.35	-95.23	40.03	-13.00	-48.83	Vertical

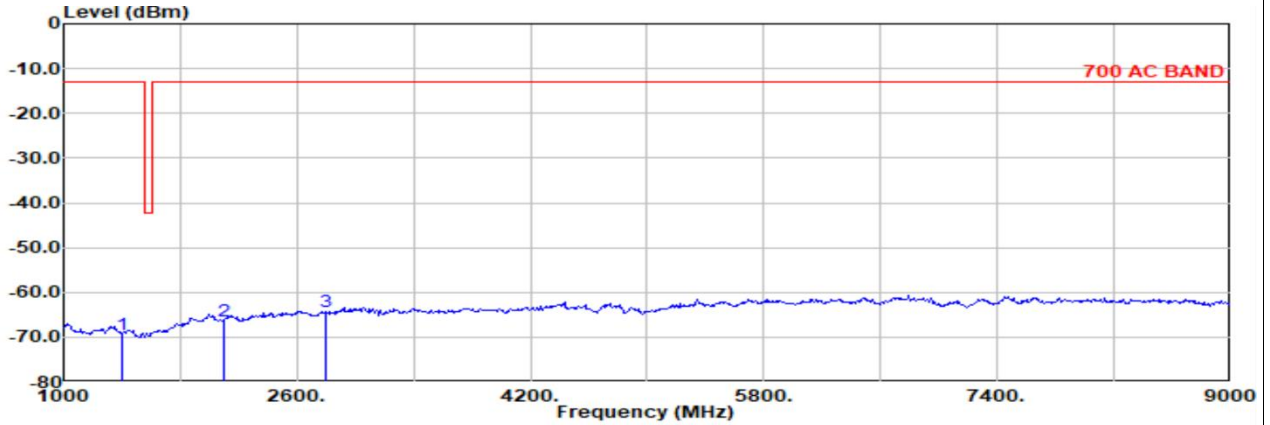


NB-IoT

Part 27H Mode 2

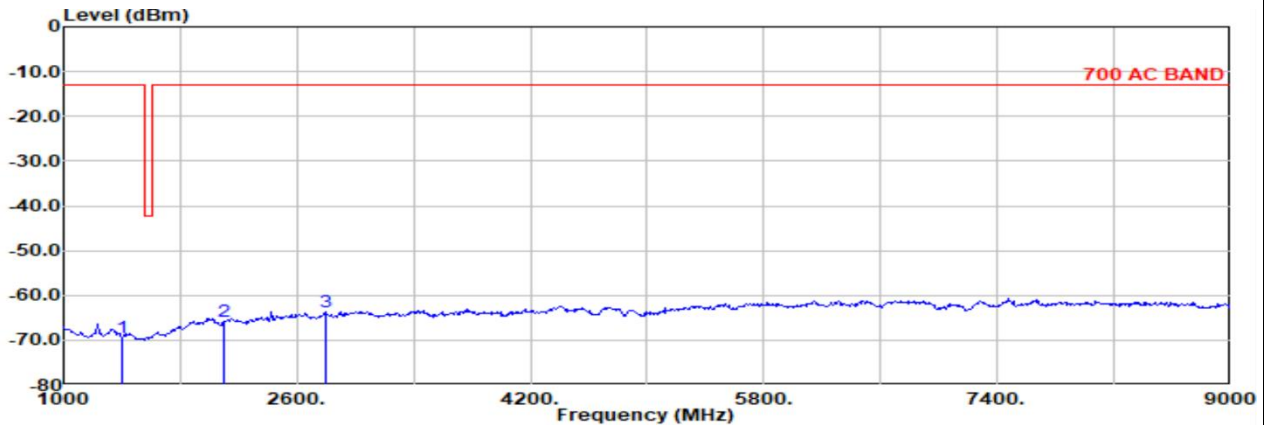
NB-IoT B12 15k Ch23011 1RB0 BPSK

L



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 12 15K CH23011 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1400.00	-69.41	RMS	28.60	-52.80	0.42	-95.23	49.60	-13.00	-56.41	Horizontal
2	2096.00	-66.27	RMS	31.72	-51.10	0.23	-95.23	48.11	-13.00	-53.27	Horizontal
3	2792.00	-64.45	RMS	32.32	-49.69	0.25	-95.23	47.90	-13.00	-51.45	Horizontal



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 12 15K CH23011 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1400.00	-69.30	RMS	28.60	-52.80	0.42	-95.23	49.71	-13.00	-56.30	Vertical
2	2096.00	-65.83	RMS	31.72	-51.10	0.23	-95.23	48.55	-13.00	-52.83	Vertical
3	2792.00	-63.77	RMS	32.32	-49.69	0.25	-95.23	48.58	-13.00	-50.77	Vertical

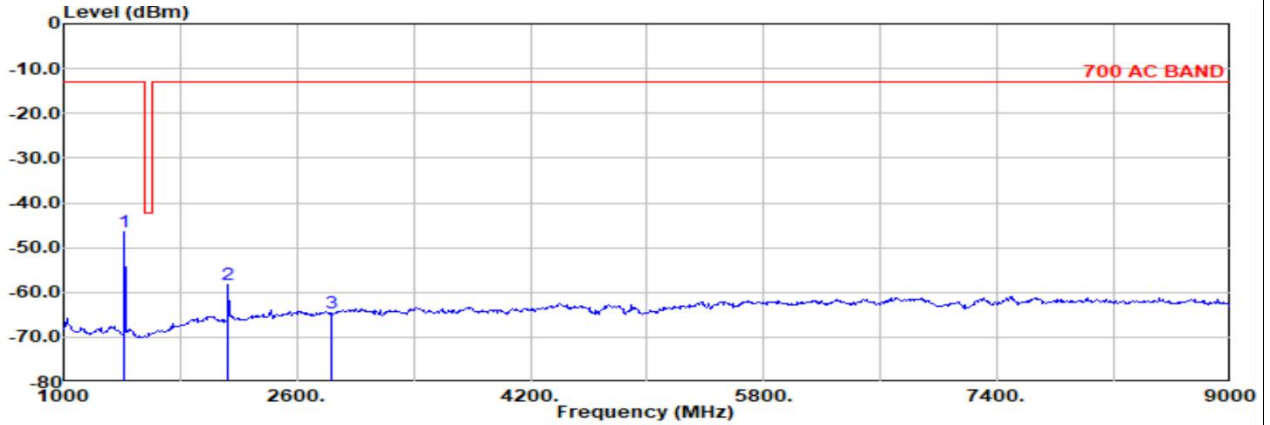


NB-IoT

Part 27H Mode 2

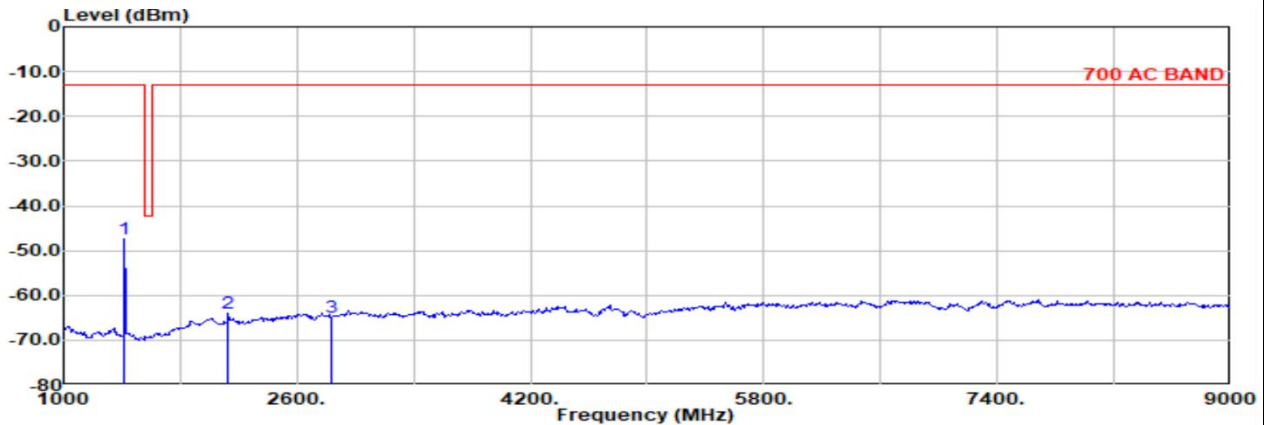
NB-IoT B12 15k Ch23095 1RB0 BPSK

M



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 12 15K CH23095 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1416.00	-46.64	RMS	28.50	-52.75	0.41	-95.23	72.43	-13.00	-33.64	Horizontal
2	2128.00	-58.33	RMS	31.98	-51.04	0.22	-95.23	55.74	-13.00	-45.33	Horizontal
3	2832.00	-64.47	RMS	32.40	-49.63	0.26	-95.23	47.73	-13.00	-51.47	Horizontal



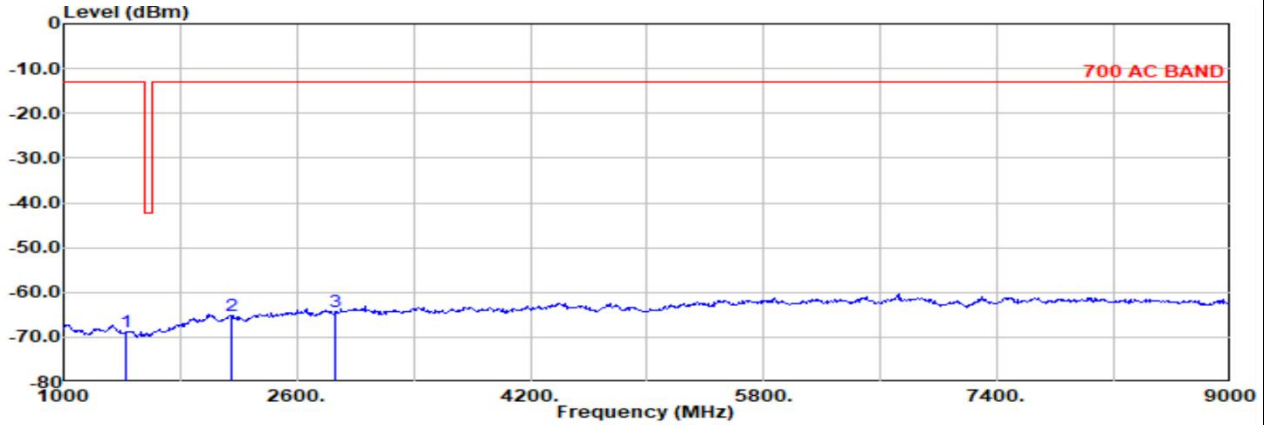
Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 12 15K CH23095 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1416.00	-47.42	RMS	28.50	-52.75	0.41	-95.23	71.65	-13.00	-34.42	Vertical
2	2128.00	-63.96	RMS	31.98	-51.04	0.22	-95.23	50.11	-13.00	-50.96	Vertical
3	2832.00	-64.81	RMS	32.40	-49.63	0.26	-95.23	47.39	-13.00	-51.81	Vertical



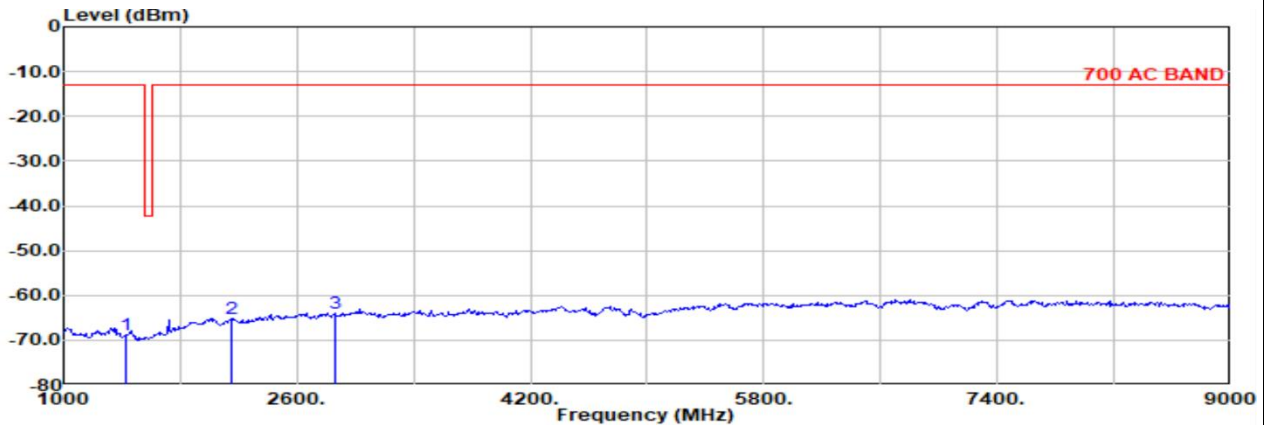
NB-IoT

Part 27H Mode 2
NB-IoT B12 15k Ch23179 1RB0 BPSK
H



Site : 03CH07-HY
Condition: 700 AC BAND 3m HF_ANT_00075962 Horizontal
Mode : NBIOT Band 12 15K CH23179 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1432.00	-68.86	RMS	28.50	-52.70	0.40	-95.23	50.17	-13.00	-55.86	Horizontal
2	2152.00	-65.21	RMS	31.98	-50.99	0.21	-95.23	48.82	-13.00	-52.21	Horizontal
3	2864.00	-64.30	RMS	32.60	-49.58	0.26	-95.23	47.65	-13.00	-51.30	Horizontal



Site : 03CH07-HY
Condition: 700 AC BAND 3m HF_ANT_00075962 Vertical
Mode : NBIOT Band 12 15K CH23179 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1432.00	-68.71	RMS	28.50	-52.70	0.40	-95.23	50.32	-13.00	-55.71	Vertical
2	2152.00	-65.32	RMS	31.98	-50.99	0.21	-95.23	48.71	-13.00	-52.32	Vertical
3	2864.00	-64.12	RMS	32.60	-49.58	0.26	-95.23	47.83	-13.00	-51.12	Vertical

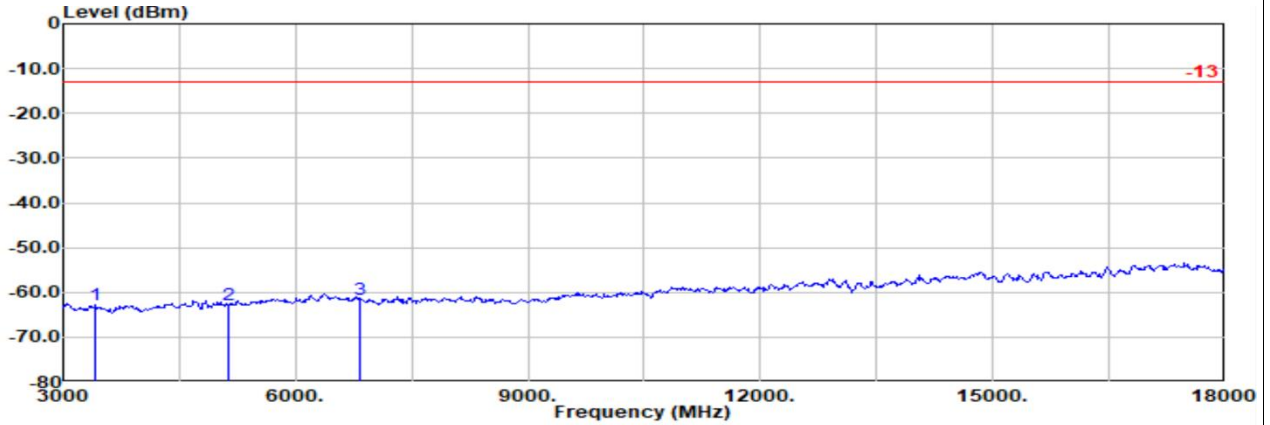


NB-IoT

Part 27L Mode 2

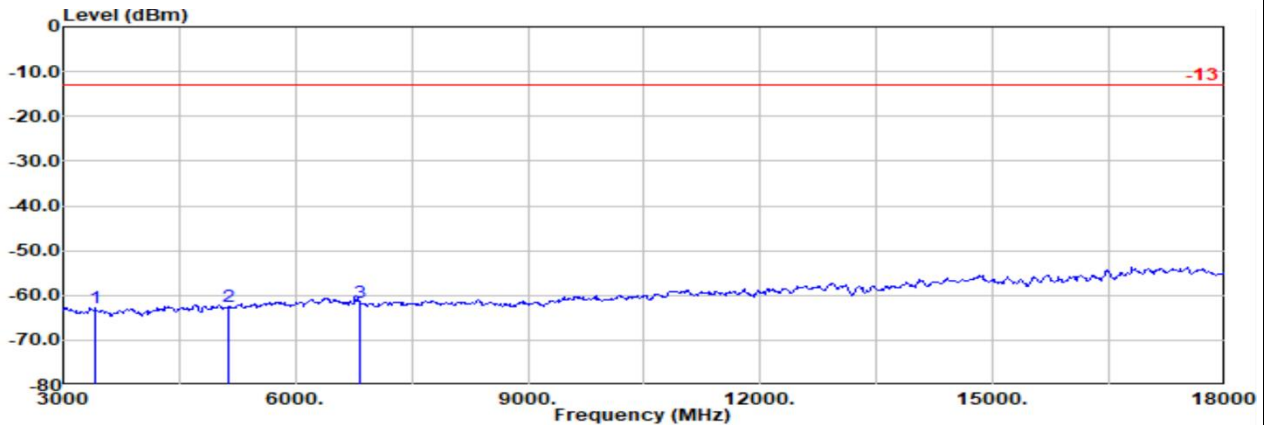
NB-IoT B4 15k Ch19951 1RB0 BPSK

L



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 4 15K Ch19951 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3420.00	-62.67	RMS	33.10	-49.13	0.80	-95.23	47.79	-13.00	-49.67	Horizontal	
2	5130.00	-62.76	RMS	34.18	-45.94	0.46	-95.23	43.77	-13.00	-49.76	Horizontal	
3	6840.00	-61.49	RMS	35.72	-42.74	0.65	-95.23	40.11	-13.00	-48.49	Horizontal	



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 4 15K Ch19951 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	
1	3420.00	-62.87	RMS	33.10	-49.13	0.80	-95.23	47.59	-13.00	-49.87	Vertical	
2	5130.00	-62.36	RMS	34.18	-45.94	0.46	-95.23	44.17	-13.00	-49.36	Vertical	
3	6840.00	-61.69	RMS	35.72	-42.74	0.65	-95.23	39.91	-13.00	-48.69	Vertical	

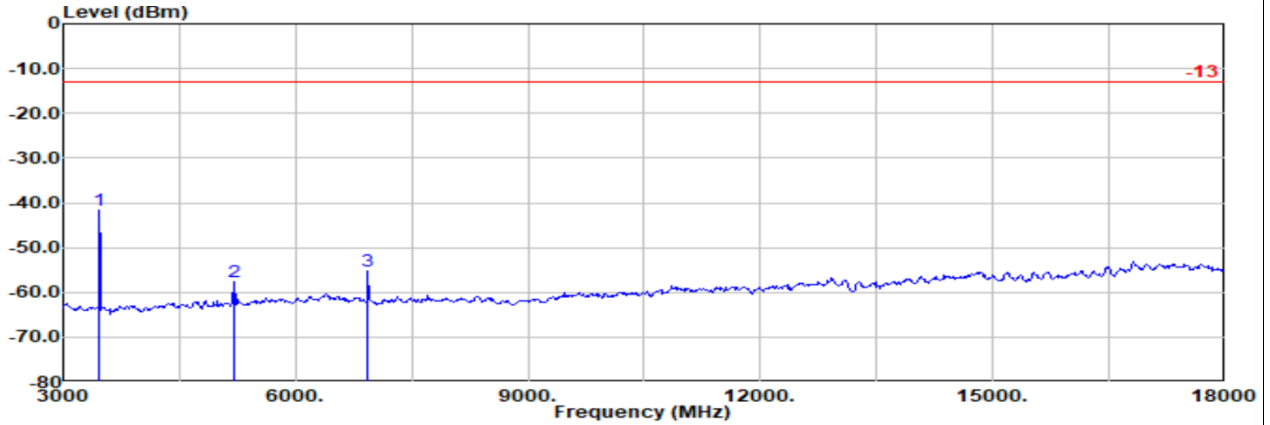


NB-IoT

Part 27L Mode 2

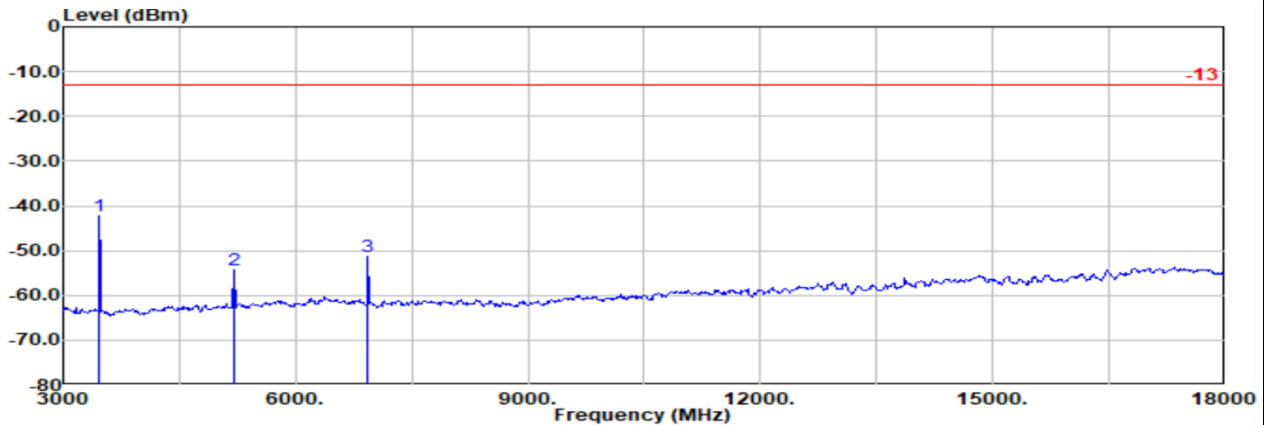
NB-IoT B4 15k Ch20175 1RB0 BPSK

M



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 4 15K Ch20175 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-41.64	RMS	33.01	-49.13	0.76	-95.23	68.95	-13.00	-28.64	Horizontal
2	5205.00	-57.59	RMS	34.52	-45.54	0.31	-95.23	48.35	-13.00	-44.59	Horizontal
3	6930.00	-55.23	RMS	35.76	-42.89	0.36	-95.23	46.77	-13.00	-42.23	Horizontal



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 4 15K Ch20175 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3465.00	-42.21	RMS	33.01	-49.13	0.76	-95.23	68.38	-13.00	-29.21	Vertical
2	5205.00	-54.27	RMS	34.52	-45.54	0.31	-95.23	51.67	-13.00	-41.27	Vertical
3	6930.00	-51.30	RMS	35.76	-42.89	0.36	-95.23	50.70	-13.00	-38.30	Vertical

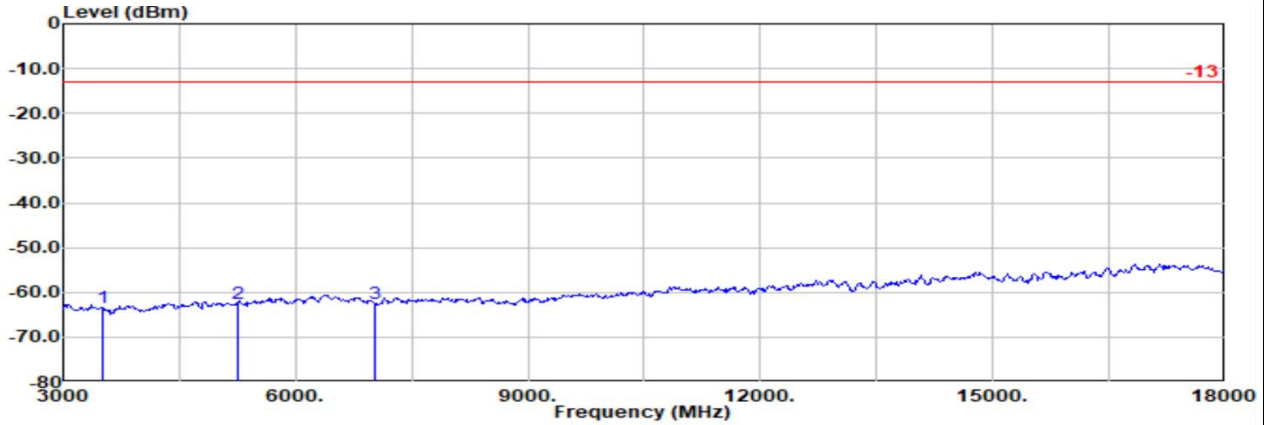


NB-IoT

Part 27L Mode 2

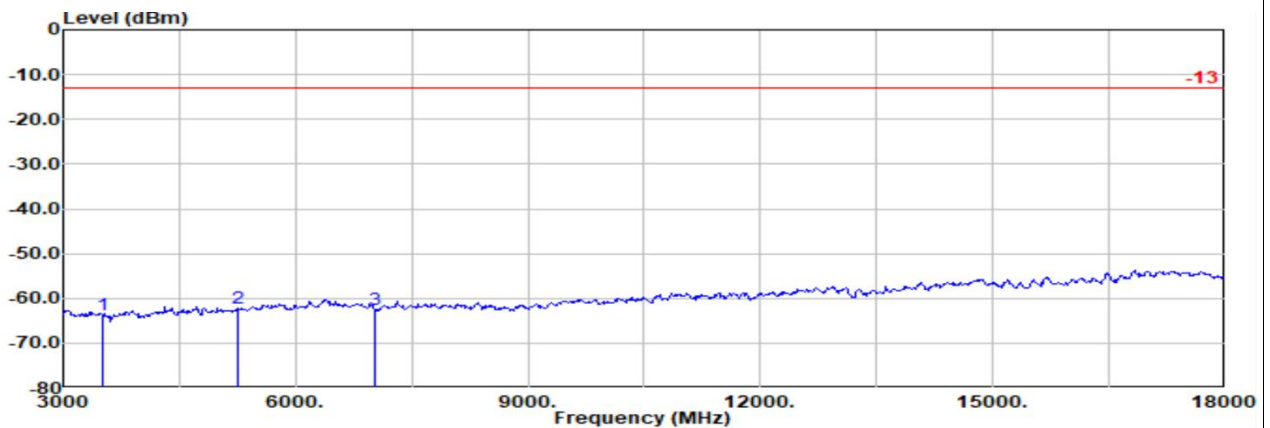
NB-IoT B4 15k Ch20399 1RB0 BPSK

H



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 4 15K Ch20399 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-63.28	RMS	32.76	-49.13	0.73	-95.23	47.59	-13.00	-50.28	Horizontal
2	5265.00	-62.51	RMS	34.67	-45.29	0.35	-95.23	42.99	-13.00	-49.51	Horizontal
3	7020.00	-62.41	RMS	35.66	-43.00	0.18	-95.23	39.98	-13.00	-49.41	Horizontal



Site : 03CH07-HY
 Condition: -13 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 4 15K Ch20399 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3510.00	-63.66	RMS	32.76	-49.13	0.73	-95.23	47.21	-13.00	-50.66	Vertical
2	5265.00	-62.06	RMS	34.67	-45.29	0.35	-95.23	43.44	-13.00	-49.06	Vertical
3	7020.00	-62.43	RMS	35.66	-43.00	0.18	-95.23	39.96	-13.00	-49.43	Vertical

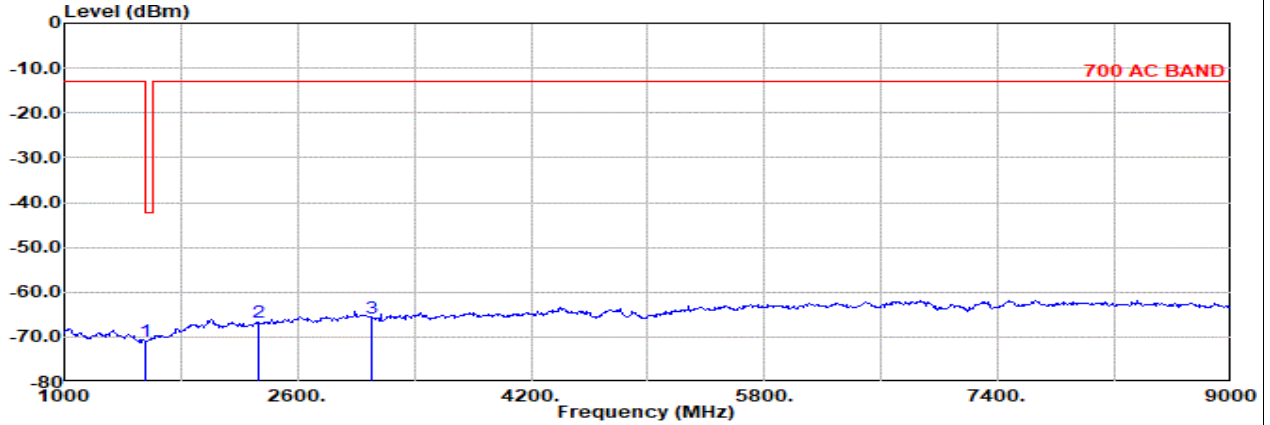


NB-IoT

Part 27F Mode 4

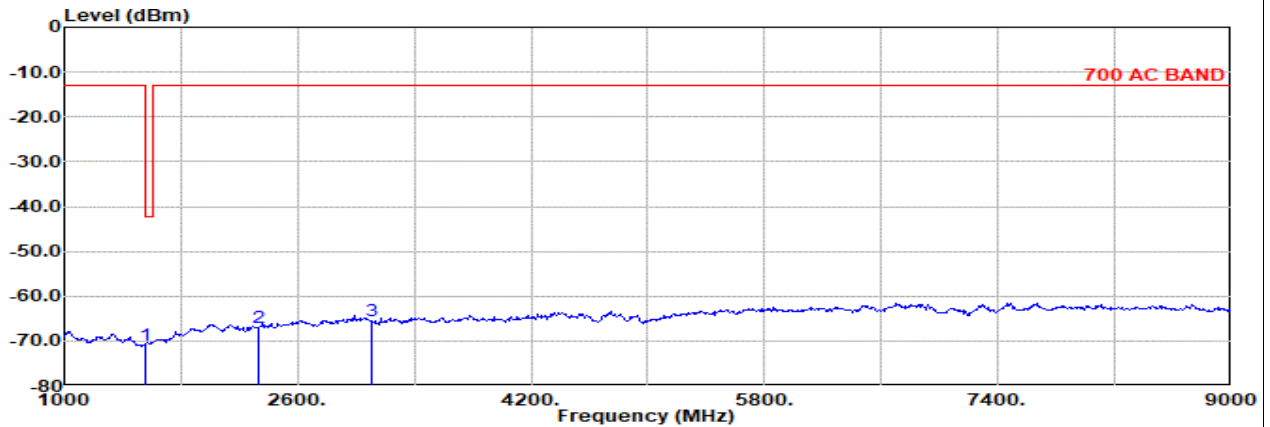
NB-IoT B13 15k Ch23181 1RB0 BPSK

L



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 13 15K CH23181 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1552.00	-70.83	RMS	27.62	-52.36	0.34	-95.23	48.80	-13.00	-57.83	Horizontal
2	2328.00	-66.80	RMS	32.10	-50.67	0.32	-95.23	46.68	-13.00	-53.80	Horizontal
3	3112.00	-65.77	RMS	32.65	-49.33	0.18	-95.23	45.96	-13.00	-52.77	Horizontal



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 13 15K CH23181 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1552.00	-71.05	RMS	27.62	-52.36	0.34	-95.23	48.58	-13.00	-58.05	Vertical
2	2328.00	-66.93	RMS	32.10	-50.67	0.32	-95.23	46.55	-13.00	-53.93	Vertical
3	3112.00	-65.41	RMS	32.65	-49.33	0.18	-95.23	46.32	-13.00	-52.41	Vertical

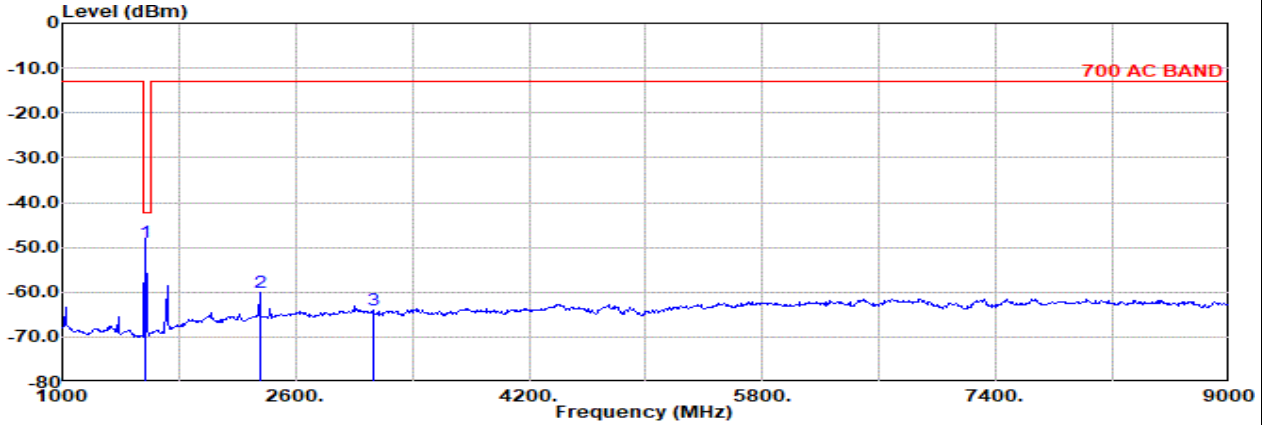


NB-IoT

Part 27F Mode 4

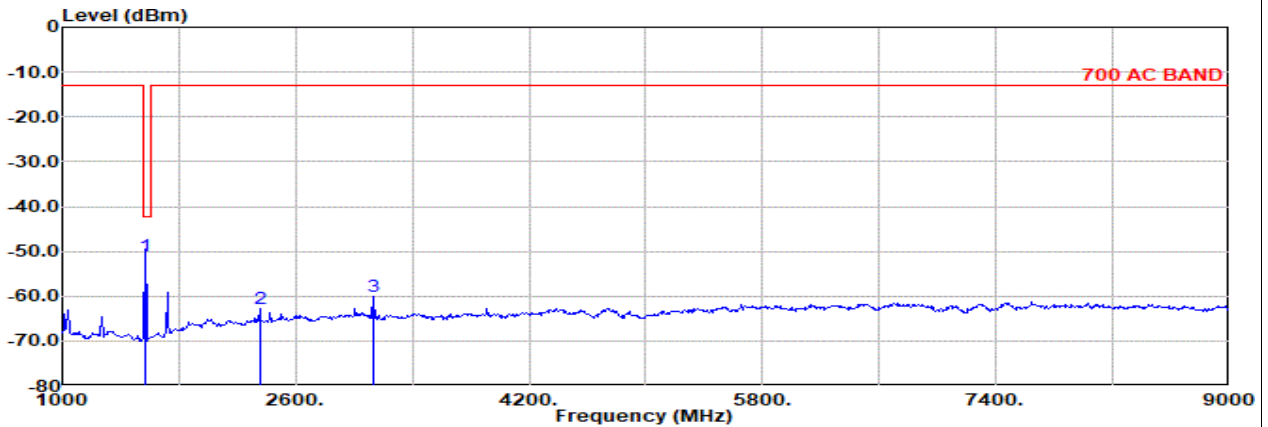
NB-IoT B13 15k Ch23230 1RB0 BPSK

M



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 13 15k CH23230 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1568.00	-49.02	RMS	27.70	-52.32	0.33	-95.23	70.50	-42.15	-6.87	Horizontal	
2	2352.00	-60.12	RMS	32.08	-50.62	0.34	-95.23	53.31	-13.00	-47.12	Horizontal	
3	3128.00	-63.89	RMS	32.59	-49.32	0.17	-95.23	47.90	-13.00	-50.89	Horizontal	



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 13 15k CH23230 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp	\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	1568.00	-50.99	RMS	27.70	-52.32	0.33	-95.23	68.53	-42.15	-8.84	Vertical	
2	2352.00	-62.69	RMS	32.08	-50.62	0.34	-95.23	50.74	-13.00	-49.69	Vertical	
3	3128.00	-59.97	RMS	32.59	-49.32	0.17	-95.23	51.82	-13.00	-46.97	Vertical	

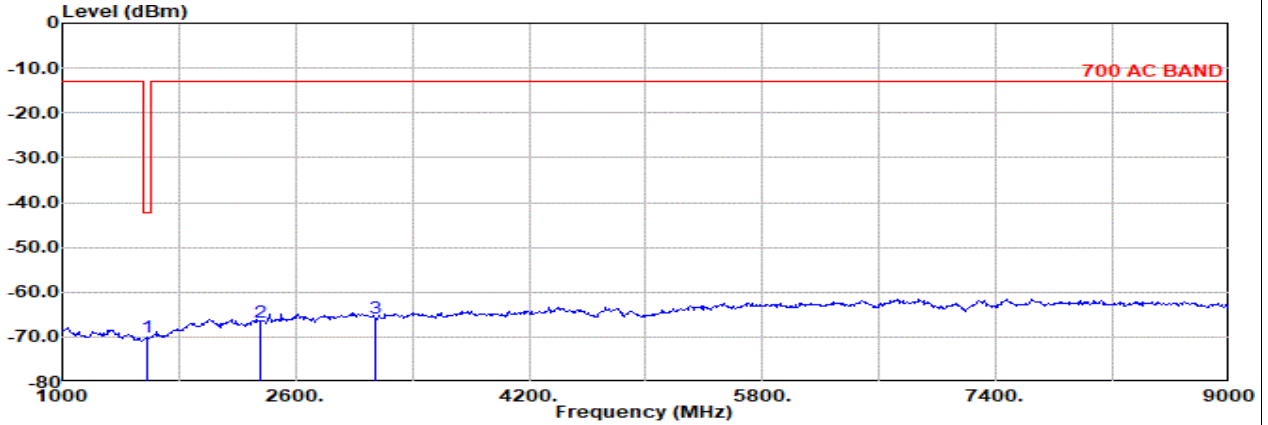


NB-IoT

Part 27F Mode 4

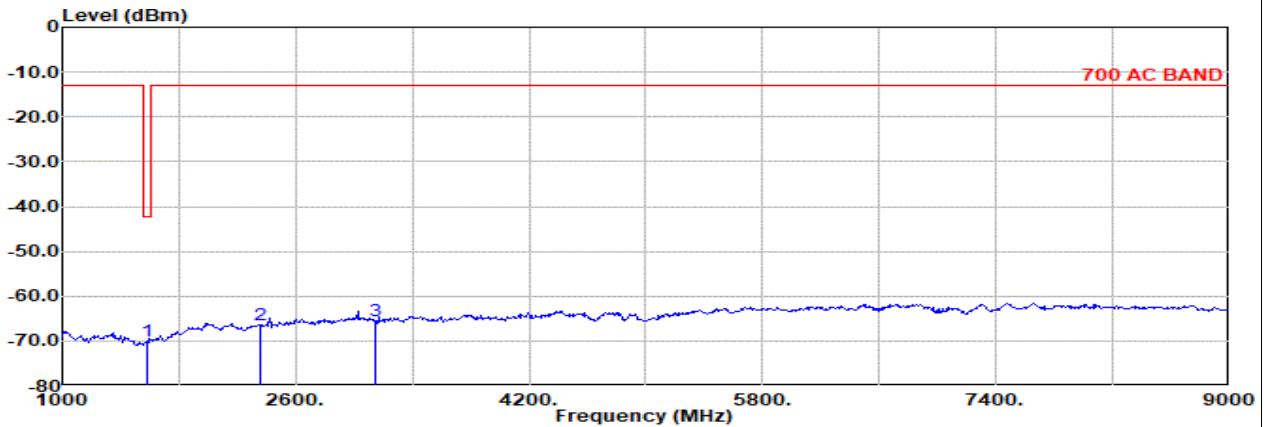
NB-IoT B13 15k Ch23279 1RB0 BPSK

H



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Horizontal
 Mode : NBIOT Band 13 15K CH23279 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1576.00	-70.17	RMS	27.70	-52.30	0.32	-95.23	49.34	-42.15	-28.02	Horizontal
2	2360.00	-66.69	RMS	32.00	-50.61	0.35	-95.23	46.80	-13.00	-53.69	Horizontal
3	3144.00	-65.89	RMS	32.52	-49.32	0.16	-95.23	45.98	-13.00	-52.89	Horizontal



Site : 03CH07-HY
 Condition: 700 AC BAND 3m HF_ANT_00075962 Vertical
 Mode : NBIOT Band 13 15K CH23279 1RB0 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1576.00	-69.99	RMS	27.70	-52.30	0.32	-95.23	49.52	-42.15	-27.84	Vertical
2	2360.00	-66.42	RMS	32.00	-50.61	0.35	-95.23	47.07	-13.00	-53.42	Vertical
3	3144.00	-65.41	RMS	32.52	-49.32	0.16	-95.23	46.46	-13.00	-52.41	Vertical