

Appendix B

E-UTRA BAND 26 (814MHz-824MHz)

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1 Main Test Instruments

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2018/4/2	2019/4/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2018/10/20	2019/10/19
Pre-amplifier (26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018/4/2	2019/4/1
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018/7/12	2019/7/11
Wideband Radio Communication Tester	Anristu	MT8821C	6201462742	2018/5/2	2019/5/1
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2018/3/13	2019/3/12

RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Due date
				(yyyy-mm-dd)	(yyyy-mm-dd)
Dual Output Mobile Communication DC Source	Agilent Technologies Inc	66311B	W009-09	2018/9/15	2019/9/15
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2018/3/13	2019/3/12
Coaxial Cable	SGS	N/A	SEM031-01	2018/7/12	2019/7/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/9/2	2019/9/2
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	W006-17	2018/9/10	2019/9/10
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/27	2019/11/27
Wideband Radio Communication Tester	Anristu	MT8821C	6201462742	2018/5/2	2019/5/1
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2018/3/13	2019/3/12

2 Measurement Uncertainty

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

Test Item	Extended Uncertainty	Data
Transmit Output Power Data	Power [dBm]	$U = \pm 0.37 \text{ dB}$
Bandwidth	Magnitude [%]	$U = \pm 0.2\%$
Band Edge Compliance	Disturbance Power [dBm]	$U = \pm 2.0 \text{ dB}$
Spurious Emissions, Conducted	Disturbance Power [dBm]	$U = \pm 2.0 \text{ dB}$
Frequency Stability	Frequency Accuracy [ppm]	$U = \pm 0.24 \text{ ppm}$

3. Effective (Isotropic) Radiated Power

3.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted power (dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	22.91	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	22.93	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	23.05	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	23.05	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.27	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.11	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	22.98	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.19	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.09	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	23.17	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	23.22	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	23.25	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.15	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	22.92	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	22.99	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	22.83	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	22.83	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	23.02	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	23.1	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.04	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	21.56	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	21.7	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	21.72	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	22.17	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	22.17	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	22.38	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.2	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	21.69	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	21.95	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	21.79	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	22.19	PASS
Band26	1.4MHz	16QAM	26740	3RB#1	22.61	PASS
Band26	1.4MHz	16QAM	26740	3RB#3	22.3	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.16	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	21.65	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	21.75	PASS

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Band26	1.4MHz	16QAM	26783	1RB#5	21.58	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	21.99	PASS
Band26	1.4MHz	16QAM	26783	3RB#1	22.33	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	22.18	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.02	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.04	PASS
Band26	3MHz	QPSK	26705	1RB#8	22.92	PASS
Band26	3MHz	QPSK	26705	1RB#14	22.78	PASS
Band26	3MHz	QPSK	26705	8RB#0	22.16	PASS
Band26	3MHz	QPSK	26705	8RB#4	22.07	PASS
Band26	3MHz	QPSK	26705	8RB#7	21.98	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.14	PASS
Band26	3MHz	QPSK	26740	1RB#0	22.89	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.1	PASS
Band26	3MHz	QPSK	26740	1RB#14	22.79	PASS
Band26	3MHz	QPSK	26740	8RB#0	22.09	PASS
Band26	3MHz	QPSK	26740	8RB#4	22.18	PASS
Band26	3MHz	QPSK	26740	8RB#7	22.05	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.13	PASS
Band26	3MHz	QPSK	26775	1RB#0	22.99	PASS
Band26	3MHz	QPSK	26775	1RB#8	22.77	PASS
Band26	3MHz	QPSK	26775	1RB#14	22.8	PASS
Band26	3MHz	QPSK	26775	8RB#0	21.73	PASS
Band26	3MHz	QPSK	26775	8RB#4	21.86	PASS
Band26	3MHz	QPSK	26775	8RB#7	21.88	PASS
Band26	3MHz	QPSK	26775	15RB#0	21.98	PASS
Band26	3MHz	16QAM	26705	1RB#0	21.69	PASS
Band26	3MHz	16QAM	26705	1RB#8	21.66	PASS
Band26	3MHz	16QAM	26705	1RB#14	21.7	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.04	PASS
Band26	3MHz	16QAM	26705	8RB#4	21.02	PASS
Band26	3MHz	16QAM	26705	8RB#7	21.38	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.14	PASS
Band26	3MHz	16QAM	26740	1RB#0	21.85	PASS
Band26	3MHz	16QAM	26740	1RB#8	21.73	PASS
Band26	3MHz	16QAM	26740	1RB#14	21.62	PASS
Band26	3MHz	16QAM	26740	8RB#0	21.41	PASS
Band26	3MHz	16QAM	26740	8RB#4	21.33	PASS
Band26	3MHz	16QAM	26740	8RB#7	21.22	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.22	PASS
Band26	3MHz	16QAM	26775	1RB#0	21.69	PASS
Band26	3MHz	16QAM	26775	1RB#8	21.58	PASS
Band26	3MHz	16QAM	26775	1RB#14	21.26	PASS
Band26	3MHz	16QAM	26775	8RB#0	20.8	PASS

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Band26	3MHz	16QAM	26775	8RB#4	20.86	PASS
Band26	3MHz	16QAM	26775	8RB#7	20.97	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.06	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.00	PASS
Band26	5MHz	QPSK	26715	1RB#12	22.76	PASS
Band26	5MHz	QPSK	26715	1RB#24	22.75	PASS
Band26	5MHz	QPSK	26715	12RB#0	22.11	PASS
Band26	5MHz	QPSK	26715	12RB#6	21.96	PASS
Band26	5MHz	QPSK	26715	12RB#13	22.00	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.04	PASS
Band26	5MHz	QPSK	26740	1RB#0	22.90	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.24	PASS
Band26	5MHz	QPSK	26740	1RB#24	22.86	PASS
Band26	5MHz	QPSK	26740	12RB#0	22.12	PASS
Band26	5MHz	QPSK	26740	12RB#6	22.19	PASS
Band26	5MHz	QPSK	26740	12RB#13	22.01	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.04	PASS
Band26	5MHz	QPSK	26765	1RB#0	22.73	PASS
Band26	5MHz	QPSK	26765	1RB#12	22.97	PASS
Band26	5MHz	QPSK	26765	1RB#24	22.83	PASS
Band26	5MHz	QPSK	26765	12RB#0	22.09	PASS
Band26	5MHz	QPSK	26765	12RB#6	21.97	PASS
Band26	5MHz	QPSK	26765	12RB#13	21.79	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.04	PASS
Band26	5MHz	16QAM	26715	1RB#0	21.57	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.39	PASS
Band26	5MHz	16QAM	26715	1RB#24	21.60	PASS
Band26	5MHz	16QAM	26715	12RB#0	20.88	PASS
Band26	5MHz	16QAM	26715	12RB#6	21.11	PASS
Band26	5MHz	16QAM	26715	12RB#13	20.89	PASS
Band26	5MHz	16QAM	26715	25RB#0	20.79	PASS
Band26	5MHz	16QAM	26740	1RB#0	21.64	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.26	PASS
Band26	5MHz	16QAM	26740	1RB#24	21.28	PASS
Band26	5MHz	16QAM	26740	12RB#0	21.12	PASS
Band26	5MHz	16QAM	26740	12RB#6	21.03	PASS
Band26	5MHz	16QAM	26740	12RB#13	20.94	PASS
Band26	5MHz	16QAM	26740	25RB#0	20.70	PASS
Band26	5MHz	16QAM	26765	1RB#0	21.58	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.13	PASS
Band26	5MHz	16QAM	26765	1RB#24	21.65	PASS
Band26	5MHz	16QAM	26765	12RB#0	20.91	PASS
Band26	5MHz	16QAM	26765	12RB#6	21.03	PASS
Band26	5MHz	16QAM	26765	12RB#13	21.00	PASS

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Band26	5MHz	16QAM	26765	25RB#0	20.74	PASS
Band26	10MHz	QPSK	26740	1RB#0	22.89	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.27	PASS
Band26	10MHz	QPSK	26740	1RB#49	22.30	PASS
Band26	10MHz	QPSK	26740	25RB#0	22.18	PASS
Band26	10MHz	QPSK	26740	25RB#12	22.28	PASS
Band26	10MHz	QPSK	26740	25RB#25	21.81	PASS
Band26	10MHz	QPSK	26740	50RB#0	21.99	PASS
Band26	10MHz	16QAM	26740	1RB#0	21.92	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.06	PASS
Band26	10MHz	16QAM	26740	1RB#49	21.43	PASS
Band26	10MHz	16QAM	26740	27RB#0	20.76	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{Conducted power[dBm]} + \text{Gain [dBd]}$$

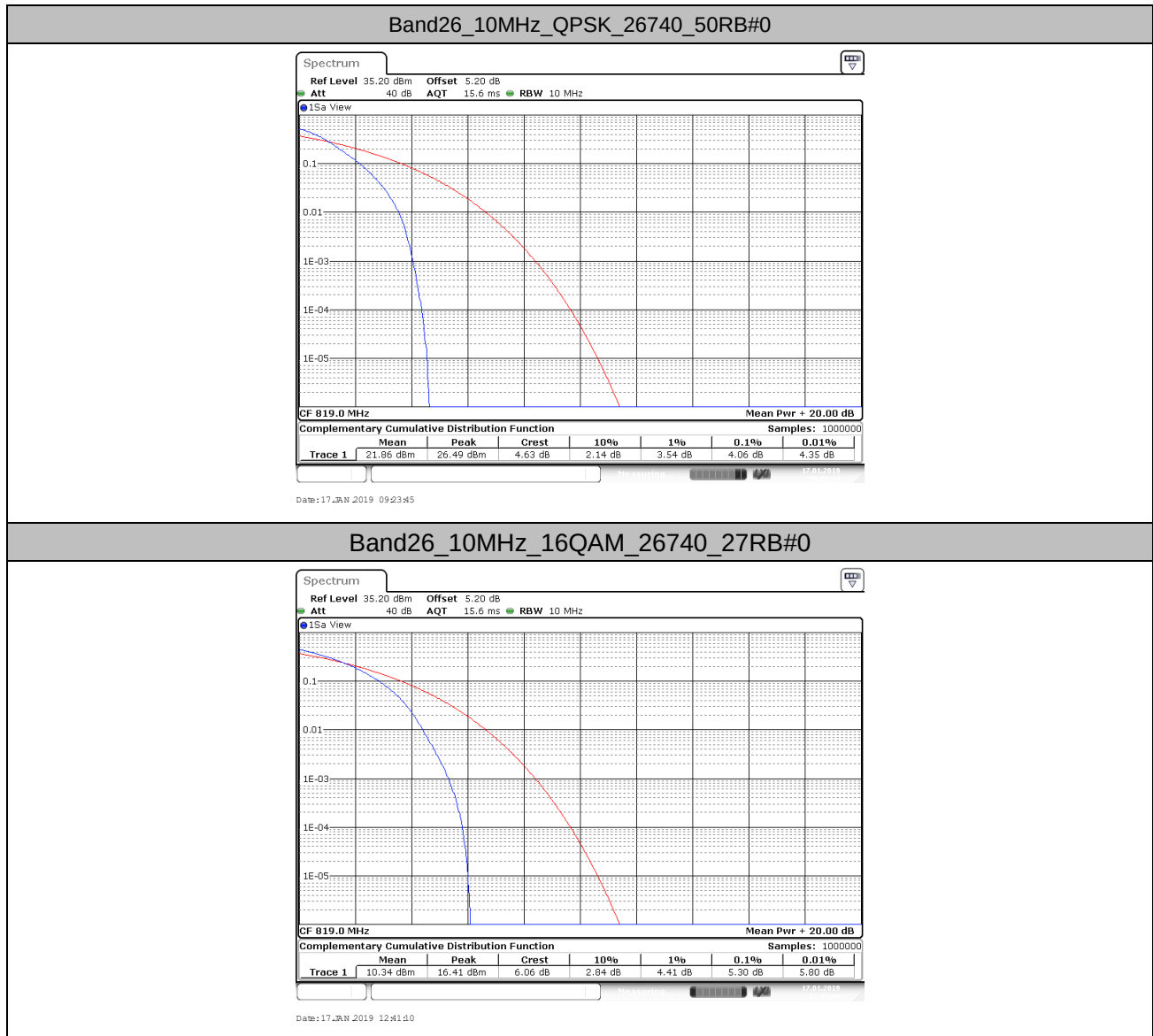
$$\text{EIRP [dBm]} = \text{Conducted power[dBm]} + \text{Gain [dBi]}$$

4. Peak-to-Average Ratio(CCDFF)

4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	4.06	13	PASS
Band26	10MHz	16QAM	26740	27RB#0	5.30	13	PASS

4.2. Test Plots

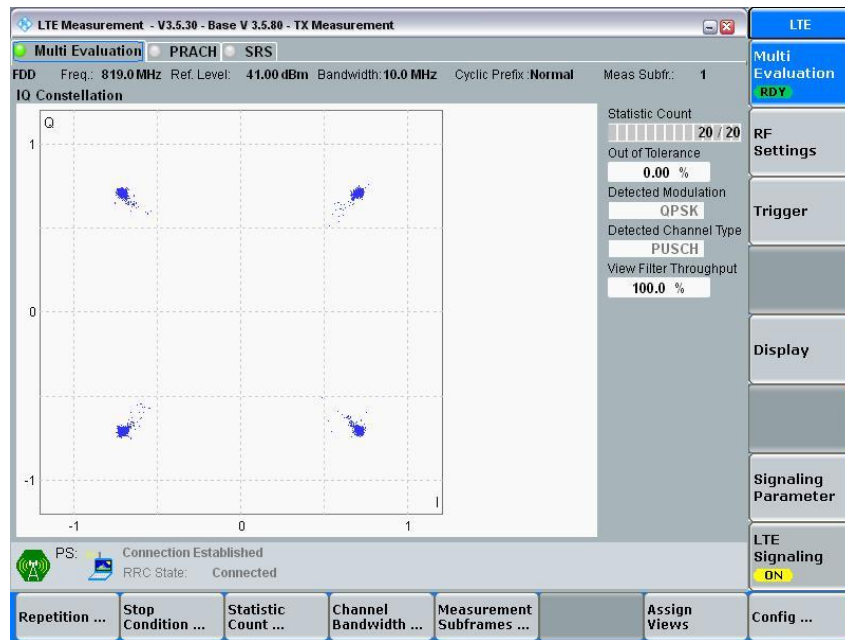


5. Modulation Characteristics

5.1. Test BAND = LTE BAND26

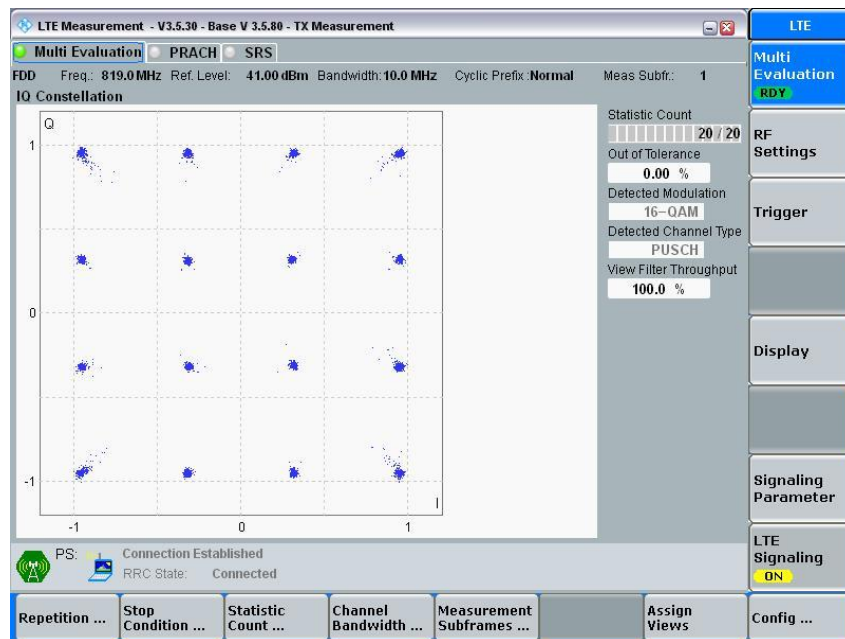
5.1.1. Test Mode = LTE /TM1 10MHz

5.1.1.1. Test Channel = MCH



5.1.2. Test Mode = LTE /TM2 10MHz

5.1.2.1. Test Channel = MCH



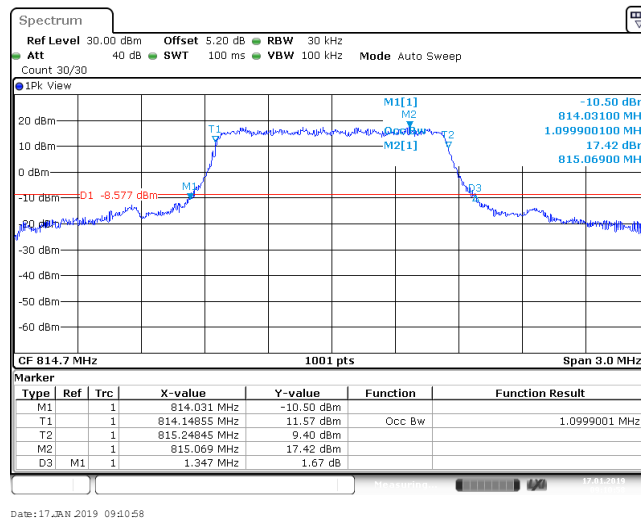
6. 26dB Bandwidth and Occupied Bandwidth

6.1. Test Result

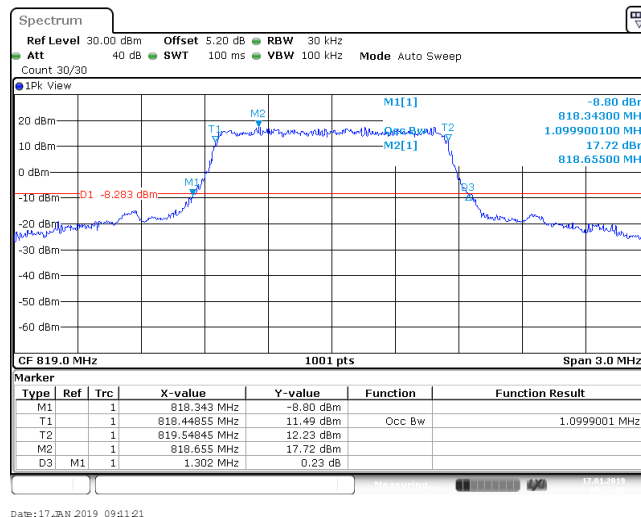
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.100	1.347	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.100	1.302	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.091	1.308	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.103	1.320	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.100	1.335	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.100	1.308	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.697	3.000	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.703	2.982	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.697	2.976	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.691	2.994	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.697	2.988	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.691	2.982	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.476	4.950	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.476	4.960	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.486	4.950	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.476	4.960	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.486	4.960	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.476	4.900	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.931	9.700	PASS
Band26	10MHz	16QAM	26740	27RB#0	4.895	5.654	PASS

6.2. Test Plots

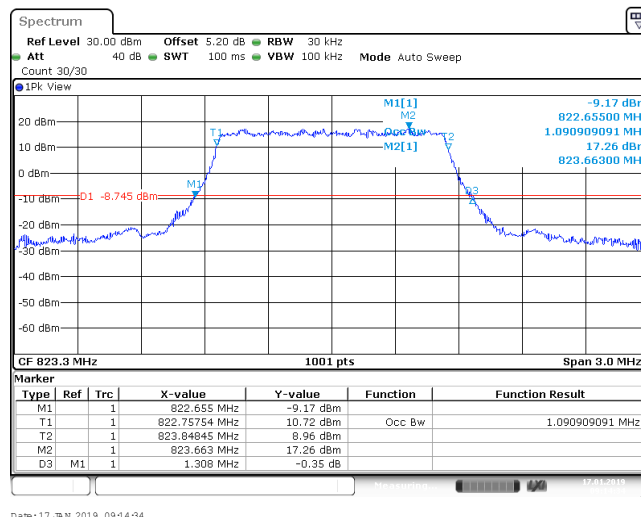
Band26_1.4MHz_QPSK_26697_6RB#0



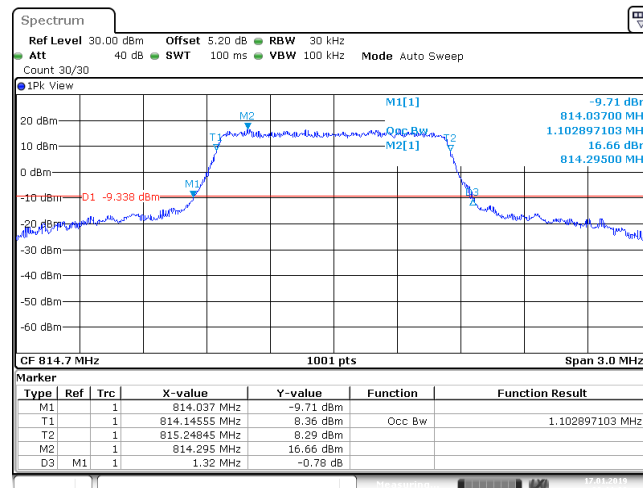
Band26_1.4MHz_QPSK_26740_6RB#0



Band26_1.4MHz_QPSK_26783_6RB#0

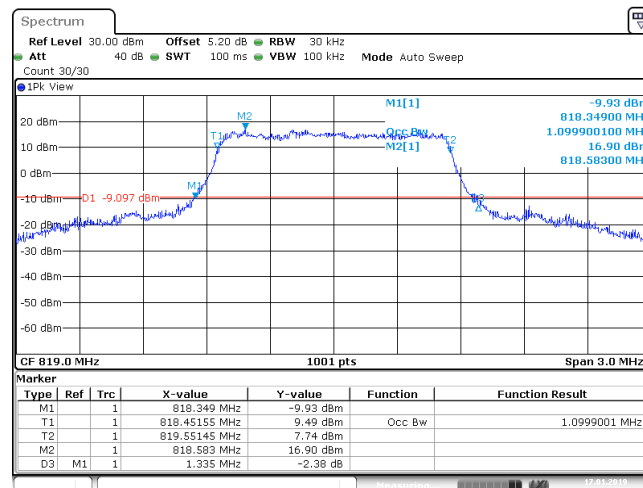


Band26_1.4MHz_16QAM_26697_6RB#0



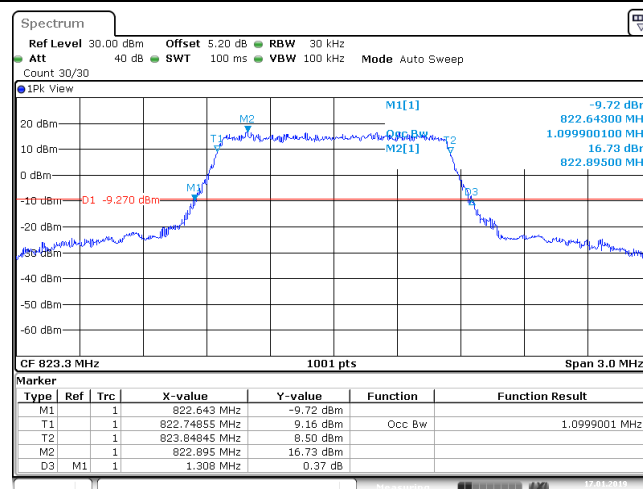
Date:17 JAN 2019 09:11:08

Band26_1.4MHz_16QAM_26740_6RB#0



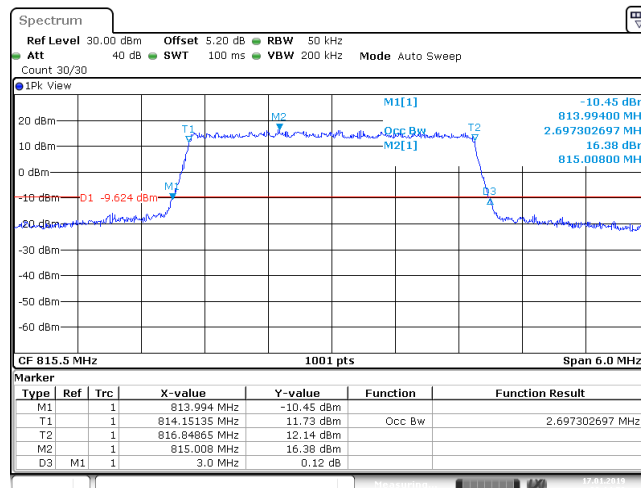
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Band26_1.4MHz_16QAM_26783_6RB#0



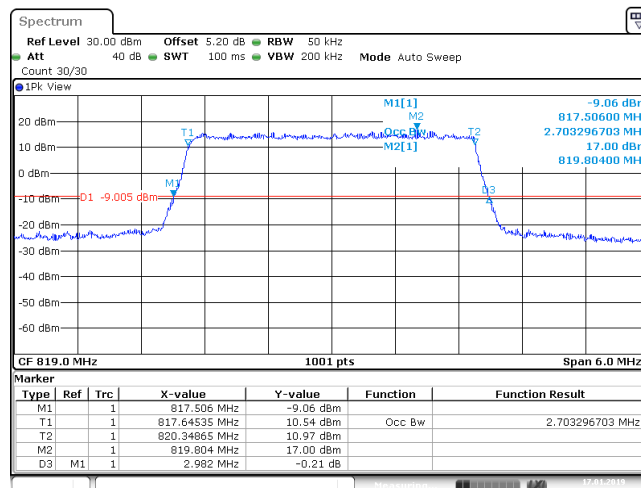
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Band26_3MHz_QPSK_26705_15RB#0



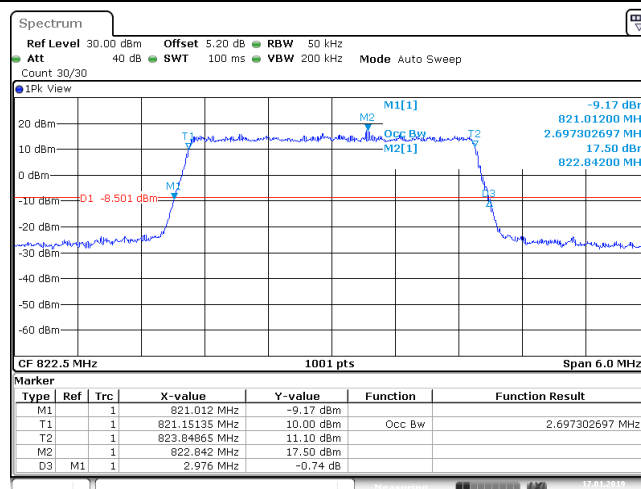
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Band26_3MHz_QPSK_26740_15RB#0



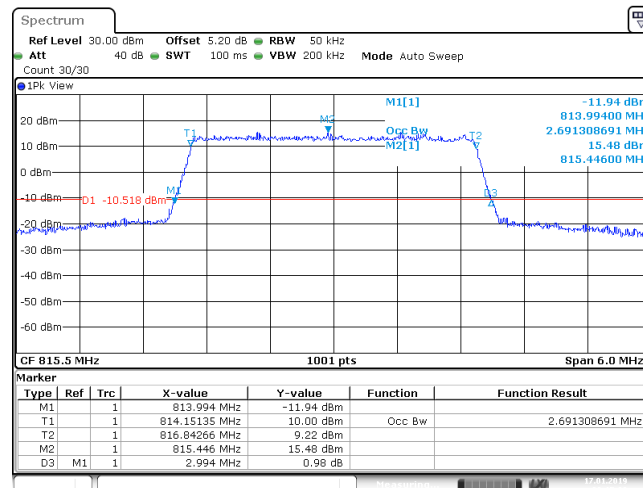
Date:17_JAN 2019 09:15:22

Band26_3MHz_QPSK_26775_15RB#0



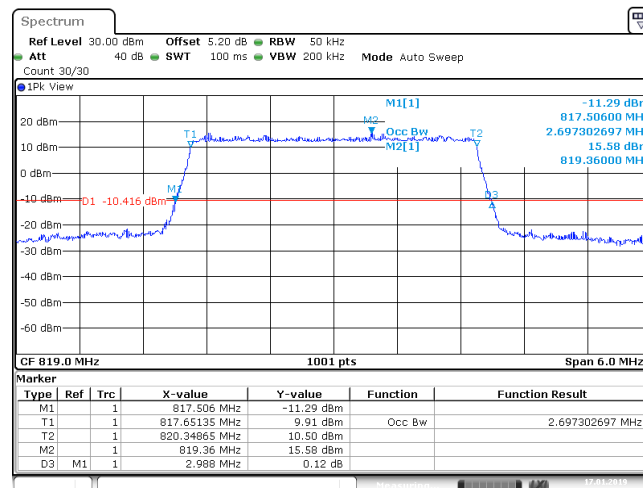
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Band26_3MHz_16QAM_26705_15RB#0



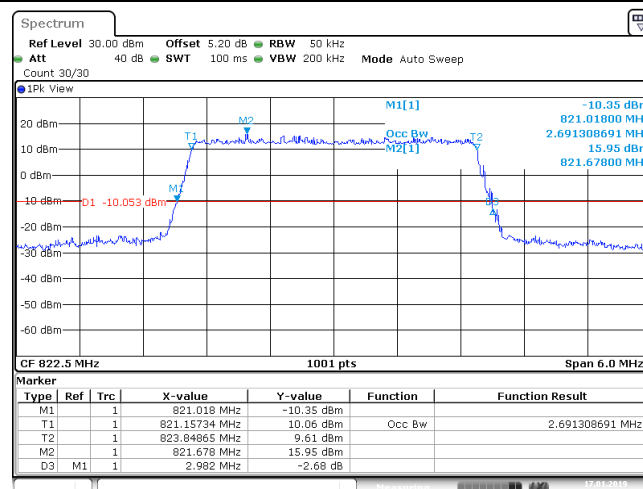
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Band26_3MHz_16QAM_26740_15RB#0



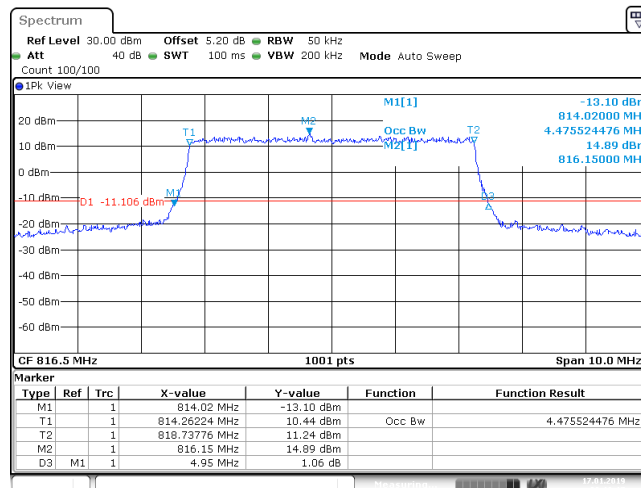
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Band26_3MHz_16QAM_26775_15RB#0



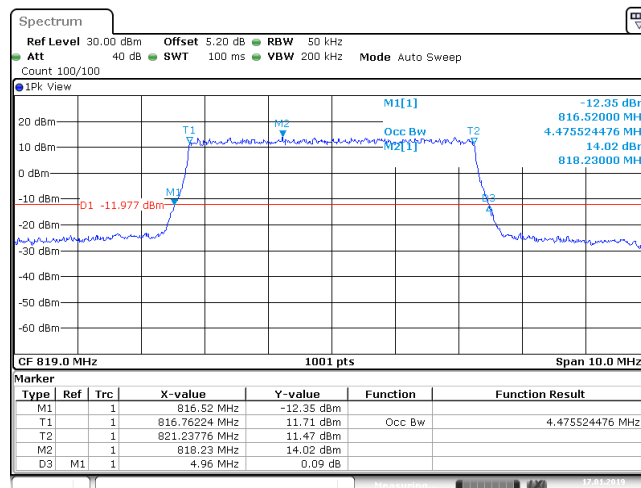
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Band26_5MHz_QPSK_26715_25RB#0



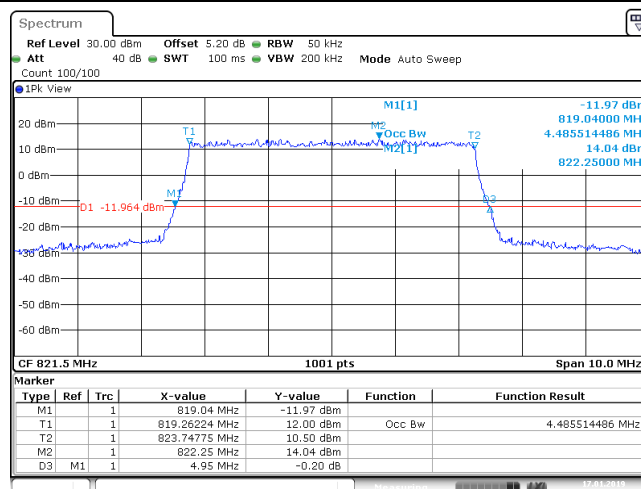
Date:17_JAN 2019 09:16:18

Band26_5MHz_QPSK_26740_25RB#0



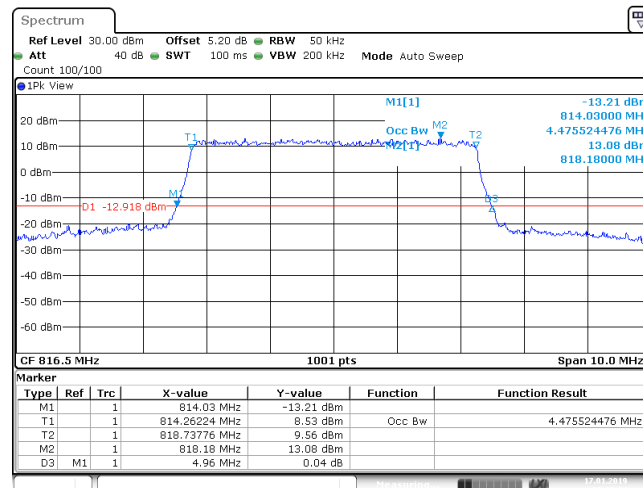
Date:17_JAN 2019 09:16:55

Band26_5MHz_QPSK_26765_25RB#0



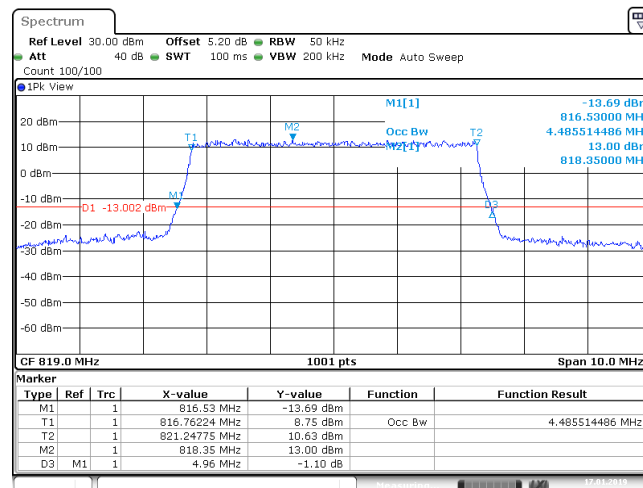
Date:17_JAN 2019 09:17:32

Band26_5MHz_16QAM_26715_25RB#0



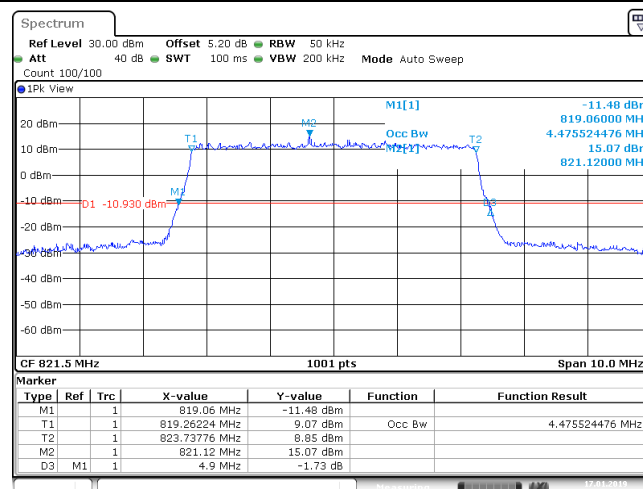
Date:17_JAN 2019 09:16:35

Band26_5MHz_16QAM_26740_25RB#0



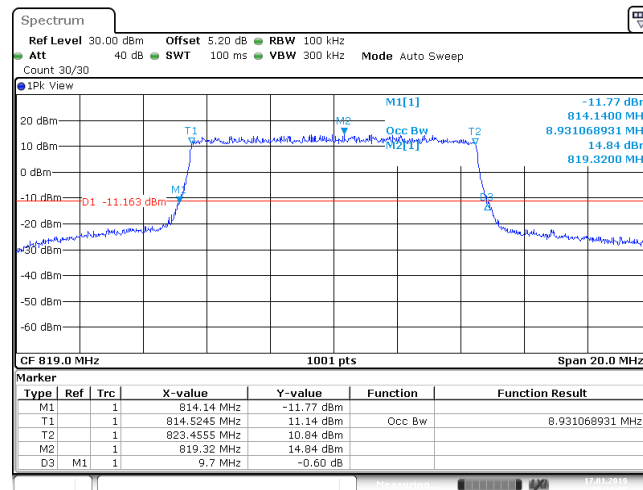
Date:17_JAN 2019 09:17:12

Band26_5MHz_16QAM_26765_25RB#0

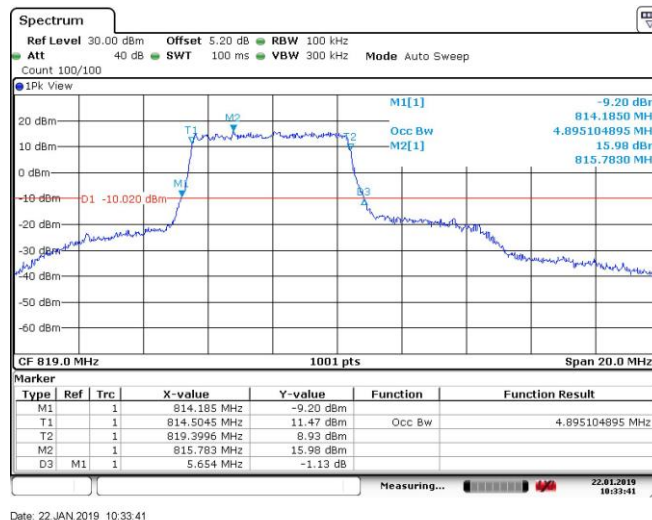


Date:17_JAN 2019 09:17:49

Band26_10MHz_QPSK_26740_50RB#0



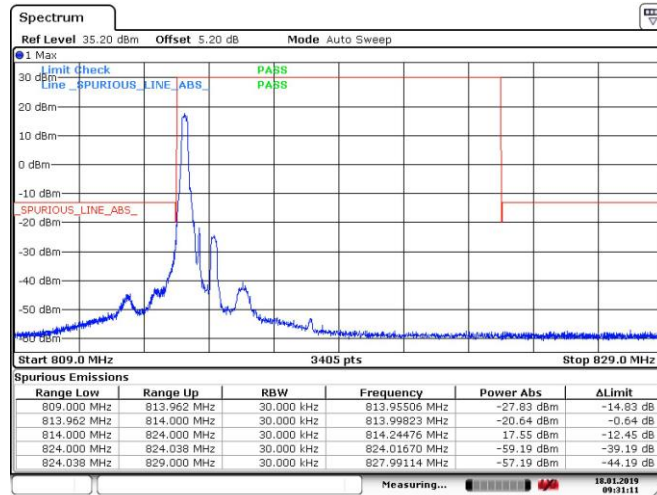
Band26_10MHz_16QAM_26740_27RB#0



7. Band Edge Compliance

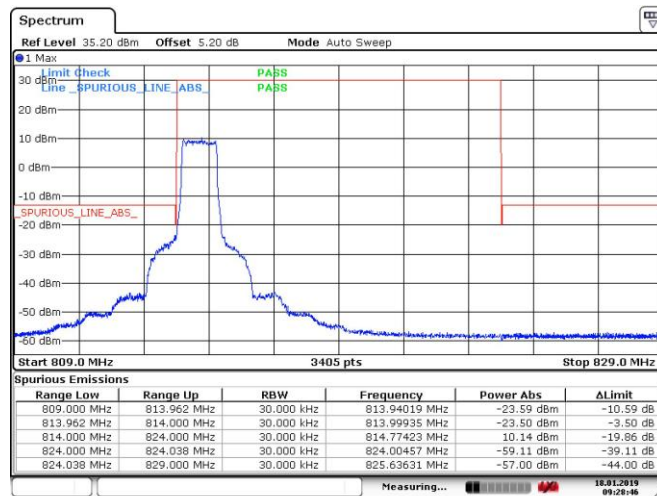
7.1. Test Plots

Band26_1.4MHz_QPSK_26697_1RB#0



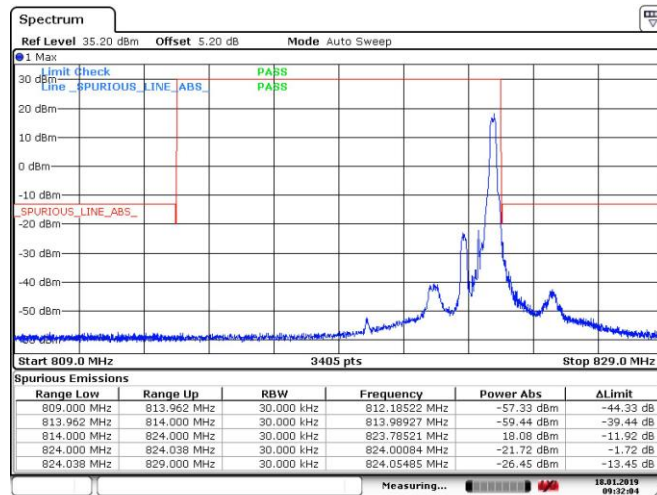
Date: 18 JAN 2019 09:31:11

Band26_1.4MHz_QPSK_26697_6RB#0



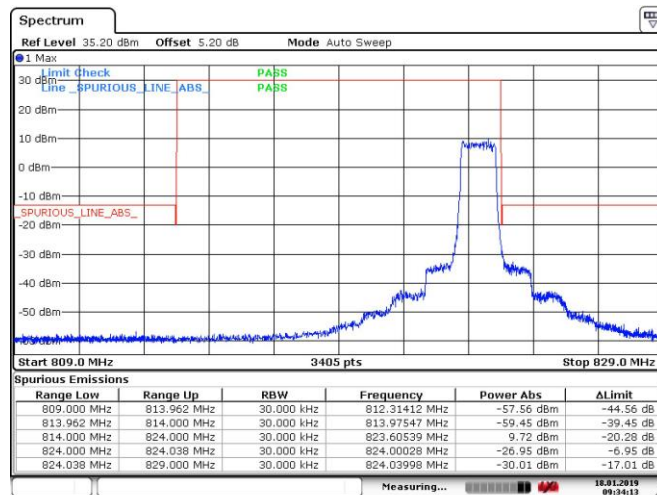
Date: 18 JAN 2019 09:28:47

Band26_1.4MHz_QPSK_26783_1RB#5



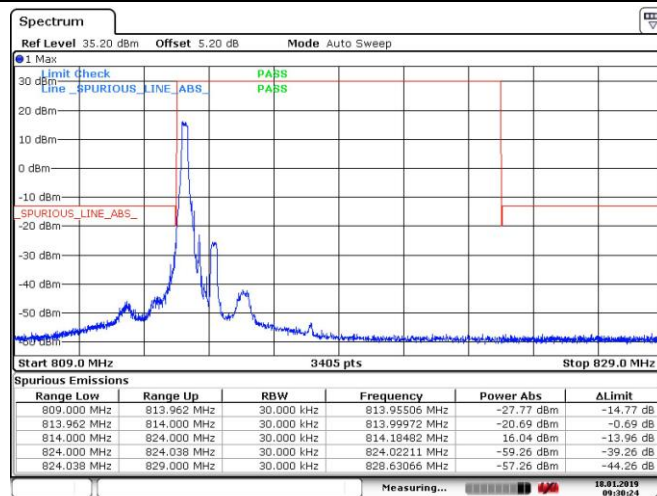
Date: 18.JAN.2019 09:32:04

Band26_1.4MHz_QPSK_26783_6RB#0



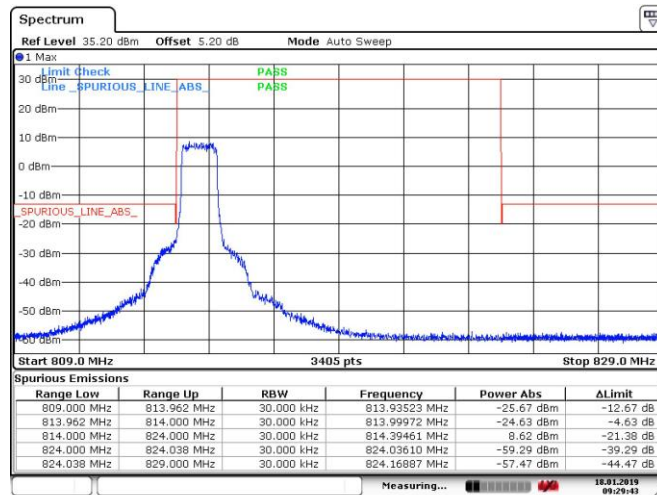
Date: 18.JAN.2019 09:34:13

Band26_1.4MHz_16QAM_26697_1RB#0



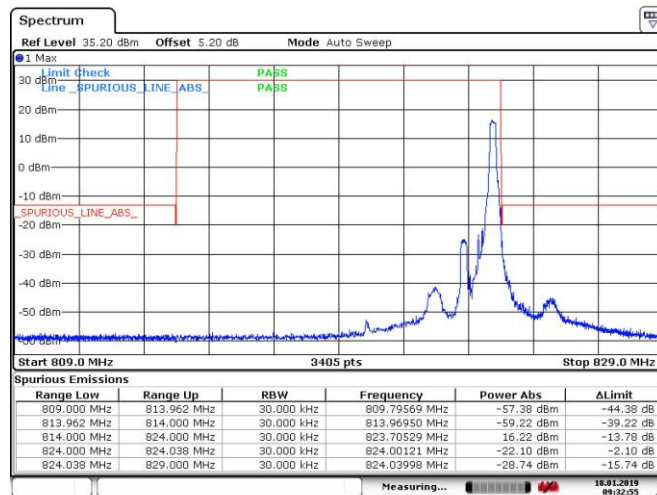
Date: 18.JAN.2019 09:38:24

Band26_1.4MHz_16QAM_26697_6RB#0



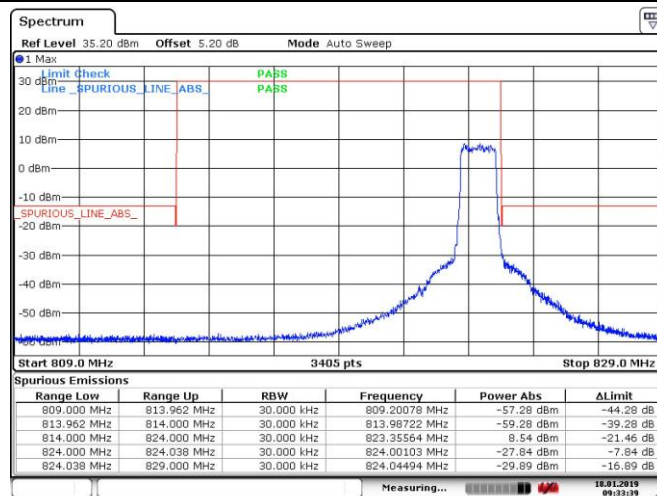
Date: 18.JAN.2019 09:29:43

Band26_1.4MHz_16QAM_26783_1RB#5



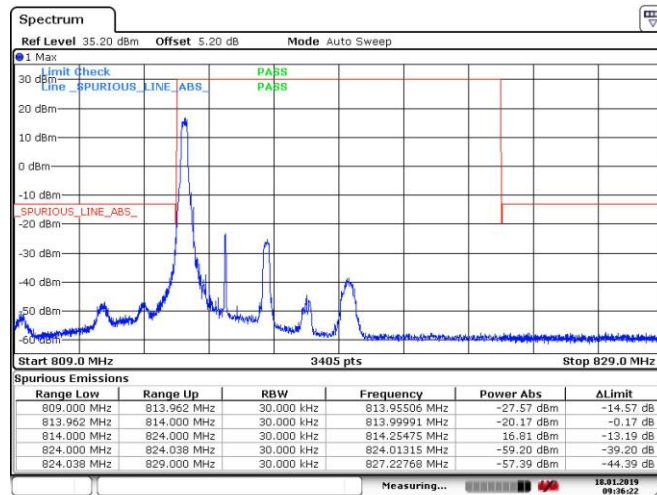
Date: 18.JAN.2019 09:32:55

Band26_1.4MHz_16QAM_26783_6RB#0



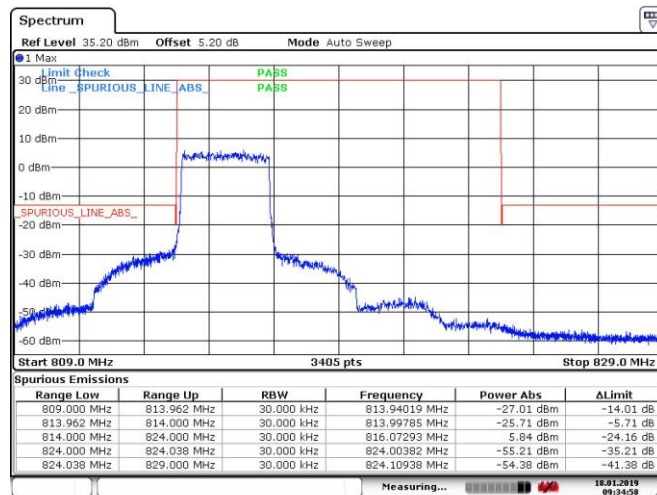
Date: 18.JAN.2019 09:33:39

Band26_3MHz_QPSK_26705_1RB#0



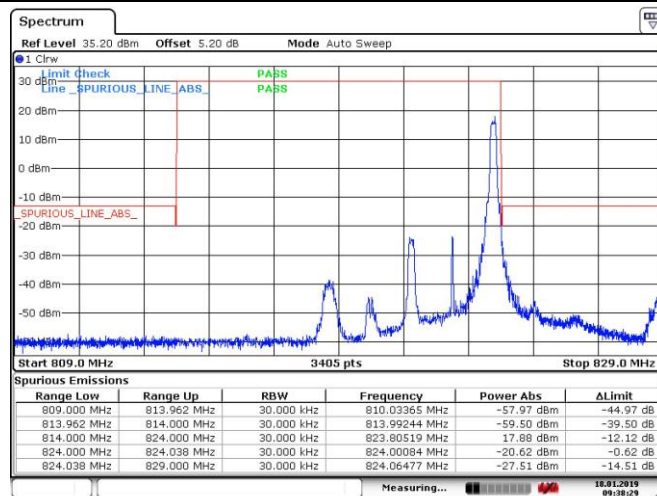
Date: 18.JAN.2019 09:36:22

Band26_3MHz_QPSK_26705_15RB#0



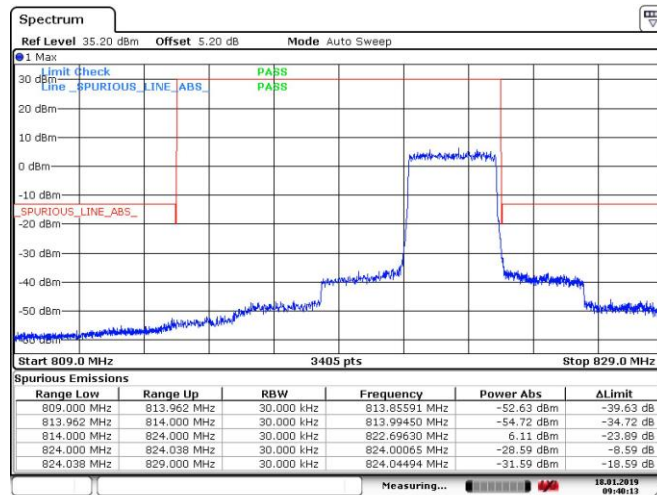
Date: 18.JAN.2019 09:34:59

Band26_3MHz_QPSK_26775_1RB#14



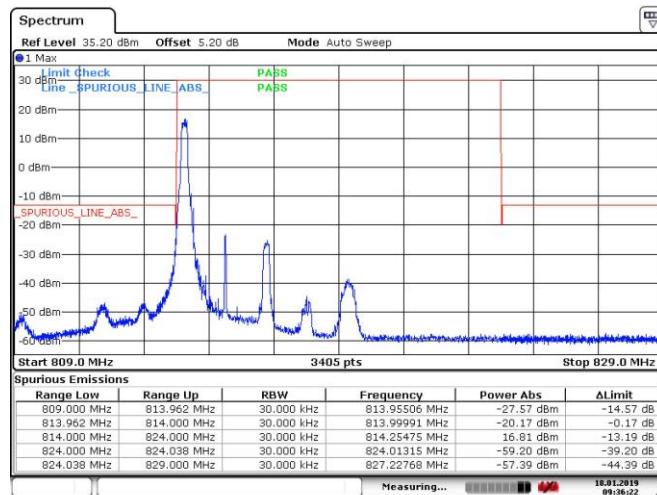
Date: 18.JAN.2019 09:38:29

Band26_3MHz_QPSK_26775_15RB#0



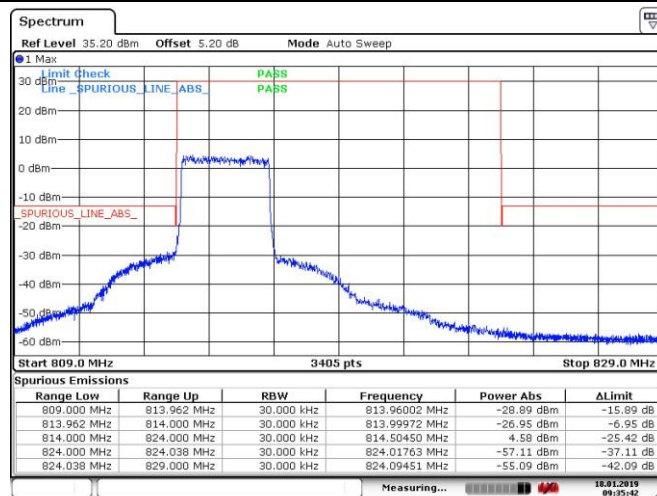
Date: 18.JAN.2019 09:40:13

Band26_3MHz_16QAM_26705_1RB#0



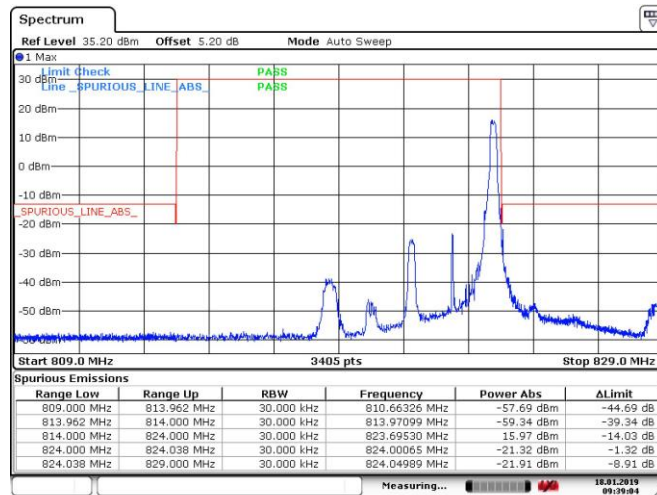
Date: 18.JAN.2019 09:36:22

Band26_3MHz_16QAM_26705_15RB#0



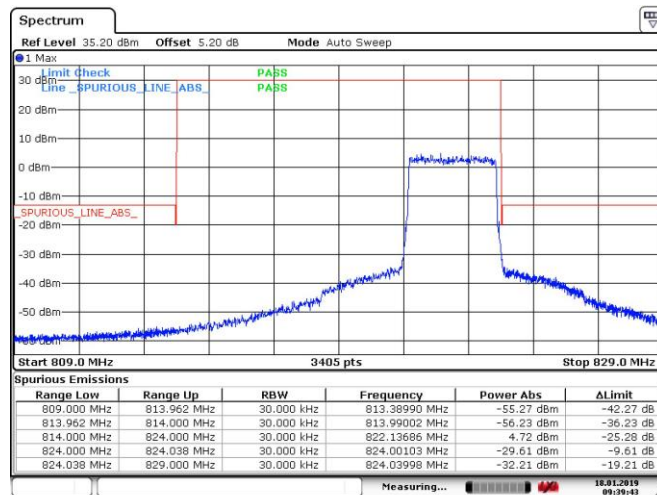
Date: 18.JAN.2019 09:35:42

Band26_3MHz_16QAM_26775_1RB#14



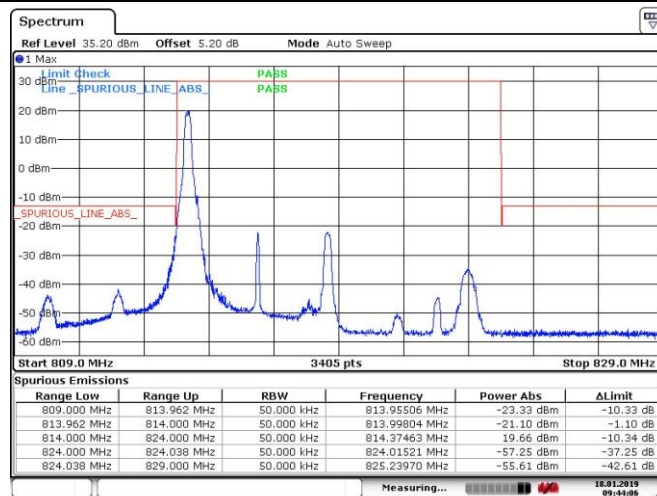
Date: 18.JAN.2019 09:39:04

Band26_3MHz_16QAM_26775_15RB#0



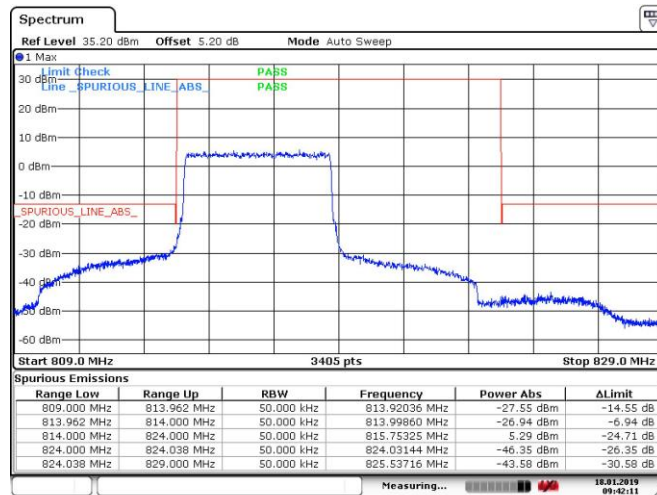
Date: 18.JAN.2019 09:39:43

Band26_5MHz_QPSK_26715_1RB#0



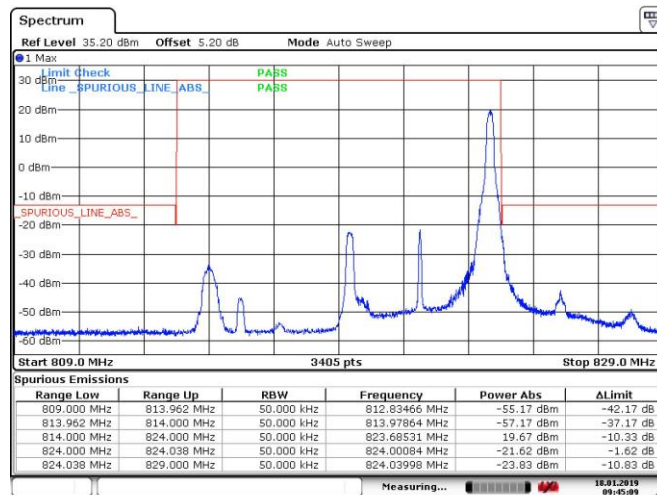
Date: 18.JAN.2019 09:44:06

Band26_5MHz_QPSK_26715_25RB#0



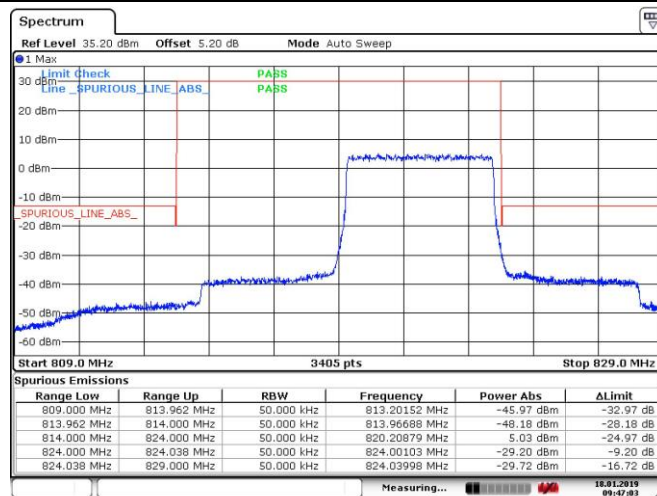
Date: 18.JAN.2019 09:42:12

Band26_5MHz_QPSK_26765_1RB#24



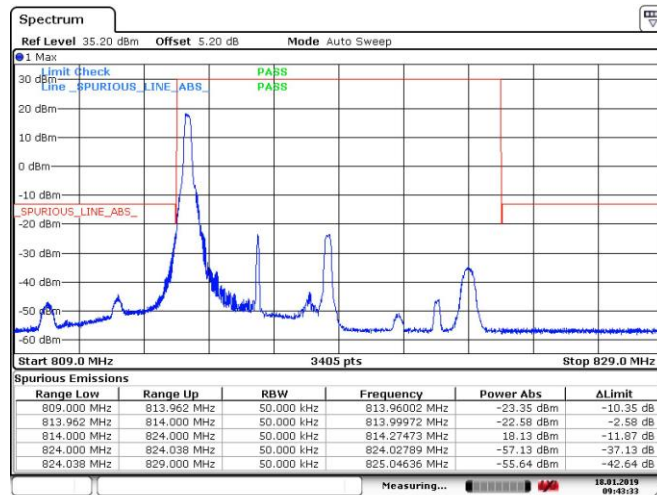
Date: 18.JAN.2019 09:45:10

Band26_5MHz_QPSK_26765_25RB#0



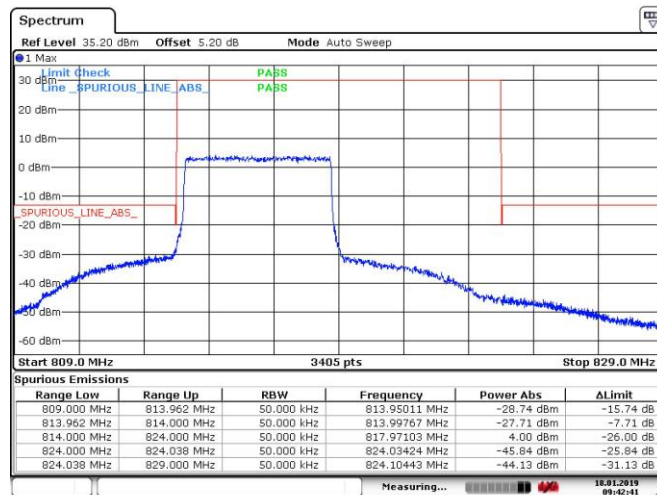
Date: 18.JAN.2019 09:47:03

Band26_5MHz_16QAM_26715_1RB#0



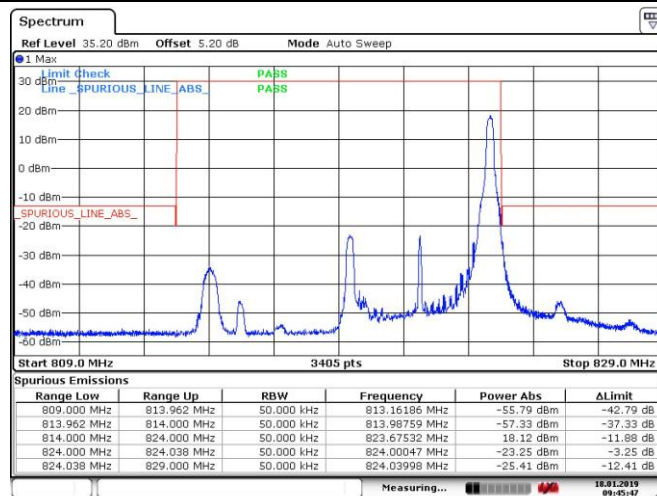
Date: 18.JAN.2019 09:43:32

Band26_5MHz_16QAM_26715_25RB#0



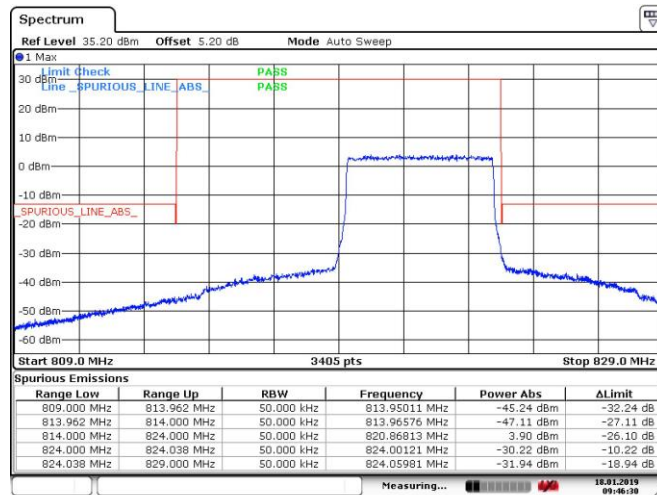
Date: 18.JAN.2019 09:42:42

Band26_5MHz_16QAM_26765_1RB#24



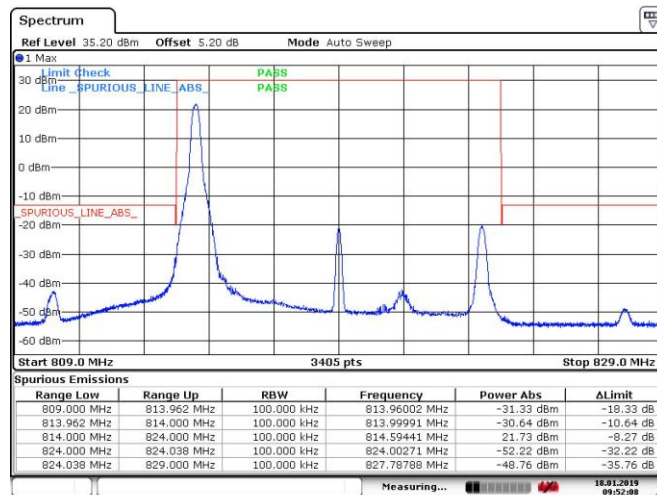
Date: 18.JAN.2019 09:45:47

Band26_5MHz_16QAM_26765_25RB#0



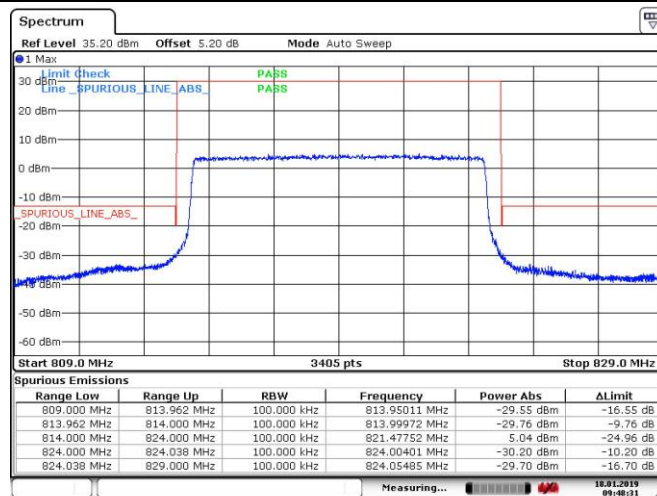
Date: 18.JAN.2019 09:46:30

Band26_10MHz_QPSK_26740_1RB#0



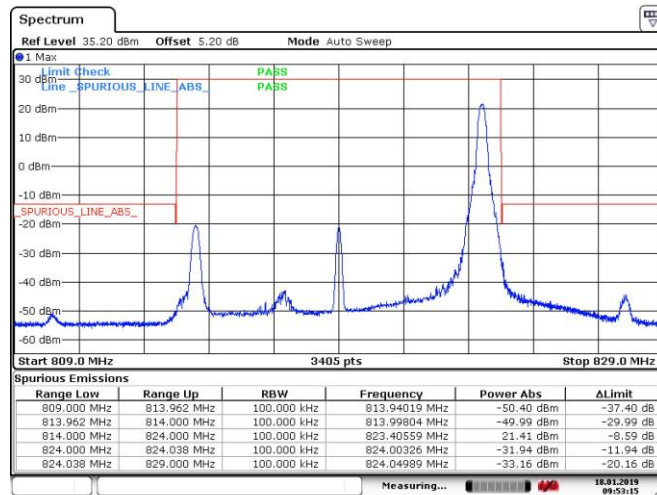
Date: 18.JAN.2019 09:52:08

Band26_10MHz_QPSK_26740_50RB#0



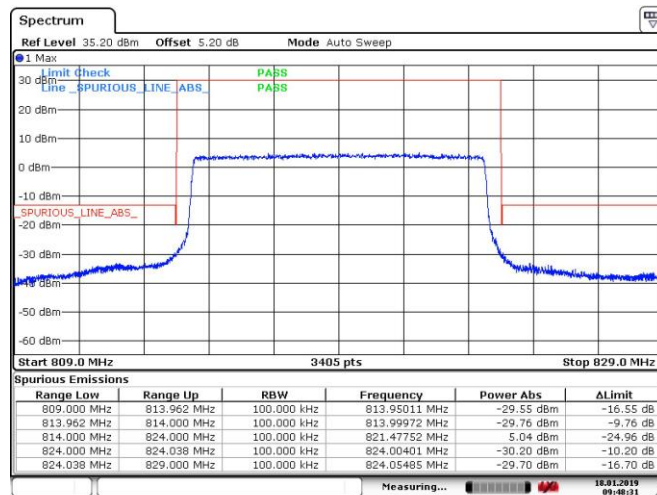
Date: 18.JAN.2019 09:48:32

Band26_10MHz_QPSK_26740_1RB#49



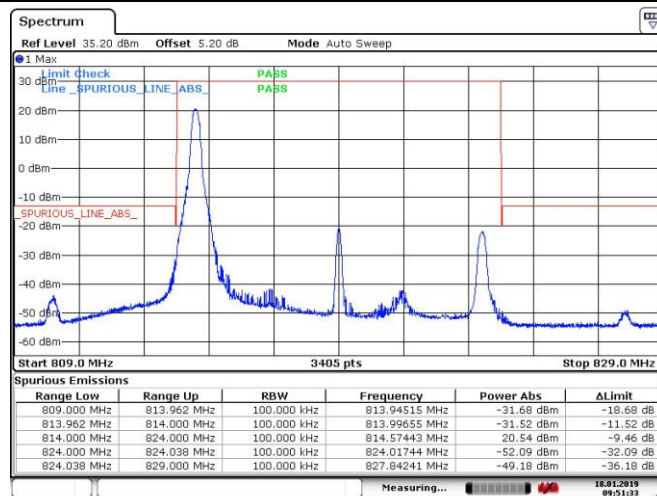
Date: 18.JAN.2019 09:53:16

Band26_10MHz_QPSK_26740_50RB#0



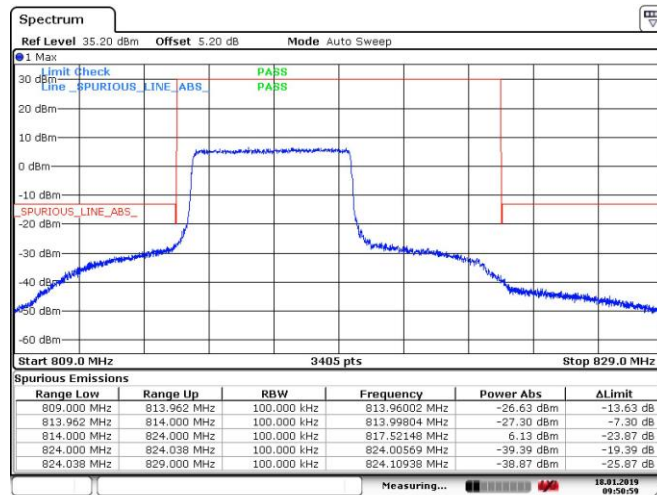
Date: 18.JAN.2019 09:48:32

Band26_10MHz_16QAM_26740_1RB#0



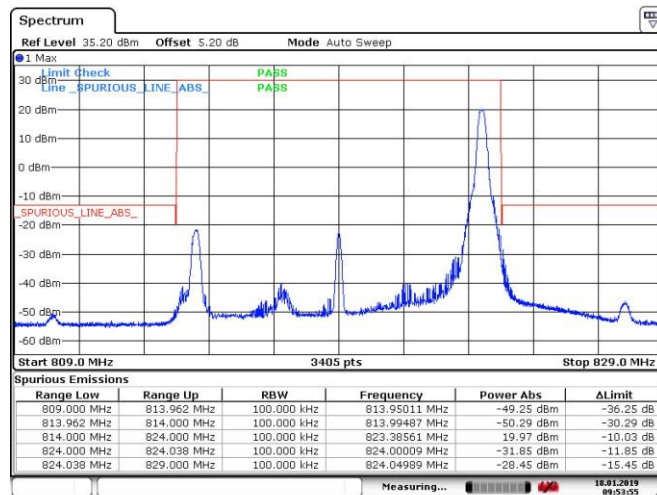
Date: 18.JAN.2019 09:51:33

Band26_10MHz_16QAM_26740_27RB#0



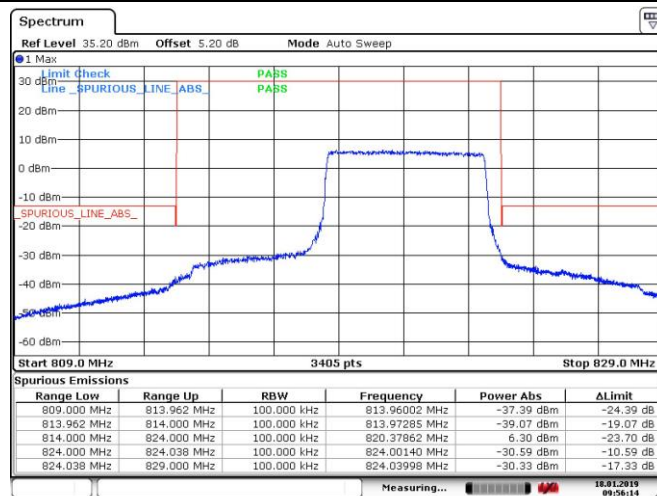
Date: 18.JAN.2019 09:51:00

Band26_10MHz_16QAM_26740_1RB#49



Date: 18.JAN.2019 09:53:55

Band26_10MHz_16QAM_26740_27RB#23



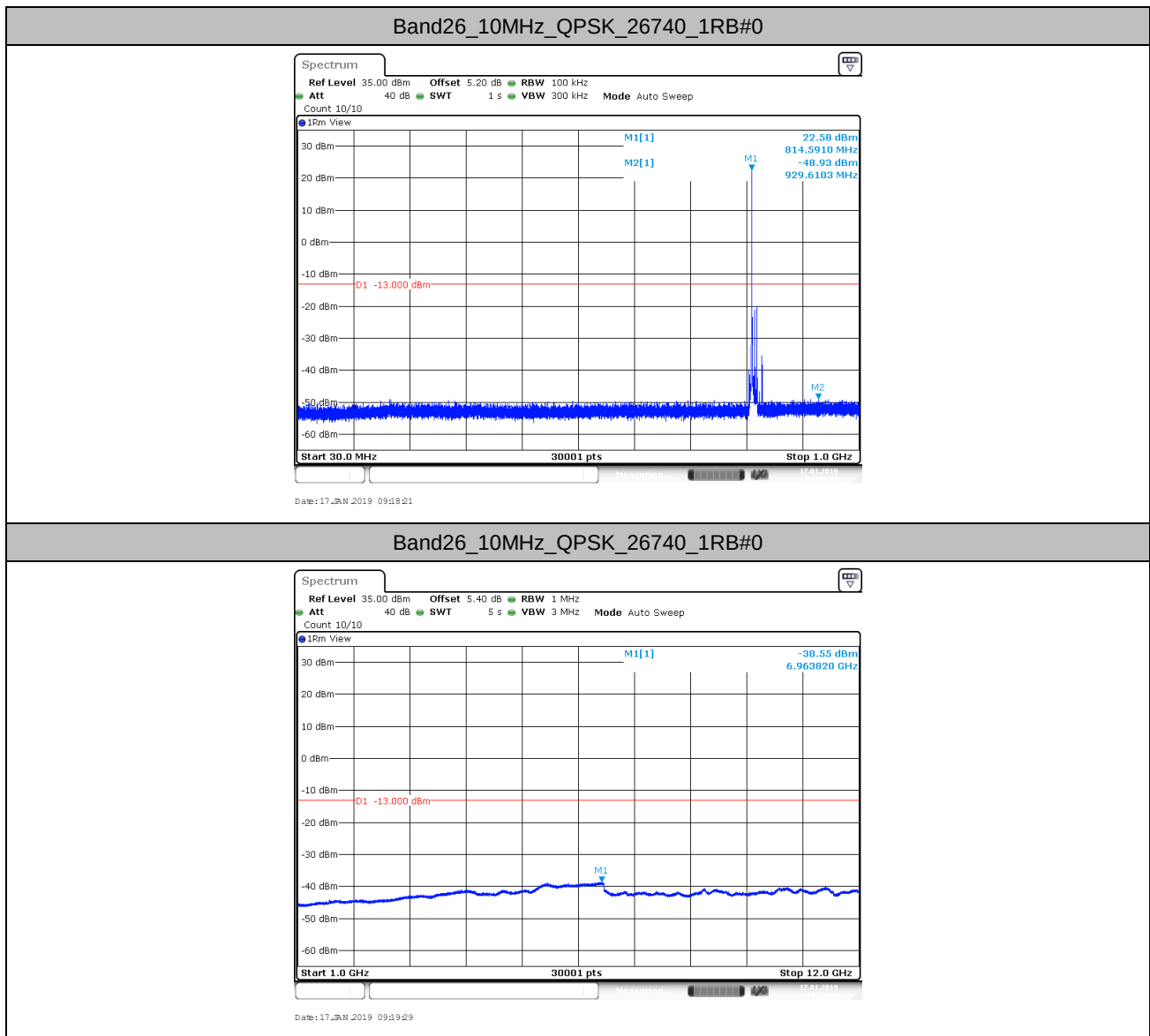
Date: 18.JAN.2019 09:56:14

8. Spurious Emission at Antenna Terminal

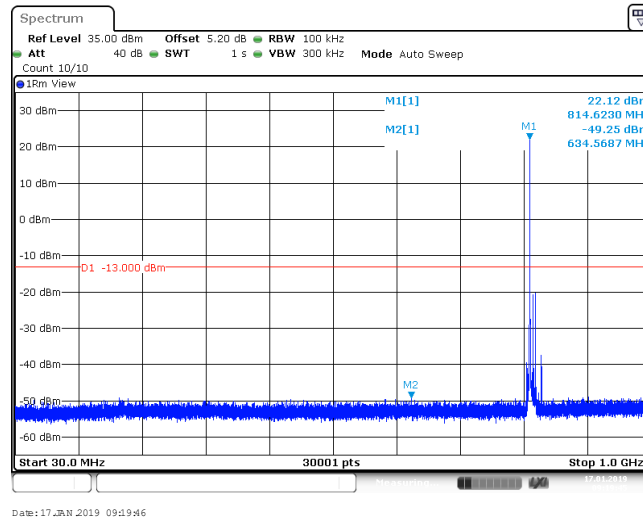
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

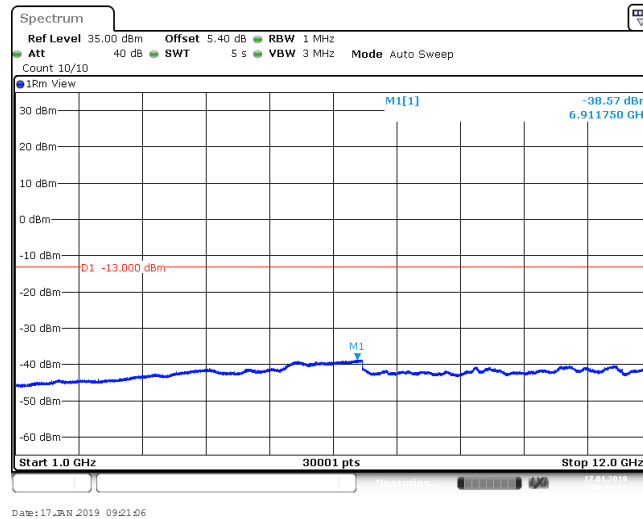
8.1. Test Plots



Band26_10MHz_16QAM_26740_1RB#0



Band26_10MHz_16QAM_26740_1RB#0



9. Frequency Stability

9.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	VL	NT	-6.55	-0.007995	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VN	NT	6.98	0.008524	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VH	NT	4.51	0.005502	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	VL	NT	-0.46	-0.000559	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	VN	NT	-0.70	-0.000859	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	VH	NT	0.85	0.001036	±2.5	PASS

9.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	NV	-30	9.31	0.011372	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	4.02	0.004910	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	6.30	0.007694	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	3.52	0.004295	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	5.19	0.006340	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	-11.31	-0.013812	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	-12.08	-0.014751	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	2.35	0.002875	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	-30	5.13	0.006263	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	-20	-8.56	-0.010449	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	0	-3.18	-0.003885	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	10	-0.64	-0.000779	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	20	-2.47	-0.003020	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	30	13.78	0.016822	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	40	-12.95	-0.015808	±2.5	PASS
Band26	10MHz	16QAM	26740	27RB#0	NV	50	-9.36	-0.011423	±2.5	PASS

The End