

Appendix B.11

E-UTRA Band 26 (814-824)

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1. Main Test Instruments

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (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	2019/3/2	2020/3/1
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	2019/3/2	2020/3/1
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	Anritsu	MT8821C	6201462742	2019/4/3	2020/4/3
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2019/1/13	2020/1/12
RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
Dual Output Mobile Communication DC Source	Agilent Technologies Inc	66311B	W009-09	2018/11/2	2019/11/1
Signal Analyzer	Rohde & Schwarz	FSV	W005-02	2019/3/2	2020/3/1
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	2018/11/2	2019/11/1
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	W006-17	2018/11/2	2019/11/1
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/2	2019/11/1
Wideband Radio Communication Tester	Anritsu	MT8821C	6201462742	2019/3/2	2020/3/1
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2018/11/2	2019/11/1

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)	ERP (dBm)	Limit (dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.05	24.90	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.14	24.99	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	22.98	24.83	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#0	23.12	24.97	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#1	23.16	25.01	50.00	PASS
Band26	1.4MHz	QPSK	26697	3RB#3	23.10	24.95	50.00	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.10	23.95	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	22.96	24.81	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.05	24.90	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.02	24.87	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#0	23.07	24.92	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#1	23.03	24.88	50.00	PASS
Band26	1.4MHz	QPSK	26740	3RB#3	22.93	24.78	50.00	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	21.92	23.77	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.01	24.86	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	22.97	24.82	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.00	24.85	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#0	22.95	24.80	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#1	22.96	24.81	50.00	PASS
Band26	1.4MHz	QPSK	26783	3RB#3	22.85	24.70	50.00	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	21.94	23.79	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.22	24.07	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.37	24.22	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.19	24.04	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#0	22.03	23.88	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#1	22.19	24.04	50.00	PASS
Band26	1.4MHz	16QAM	26697	3RB#3	22.08	23.93	50.00	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.17	23.02	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.13	23.98	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.20	24.05	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.07	23.92	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#0	22.04	23.89	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#1	22.15	24.00	50.00	PASS
Band26	1.4MHz	16QAM	26740	3RB#3	21.98	23.83	50.00	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.07	22.92	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.07	23.92	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.09	23.94	50.00	PASS

Band26	1.4MHz	16QAM	26783	1RB#5	22.15	24.00	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#0	22.01	23.86	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#1	22.10	23.95	50.00	PASS
Band26	1.4MHz	16QAM	26783	3RB#3	22.02	23.87	50.00	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.00	22.85	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.07	24.92	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.05	24.90	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#14	22.93	24.78	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#0	22.01	23.86	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#4	22.01	23.86	50.00	PASS
Band26	3MHz	QPSK	26705	8RB#7	21.91	23.76	50.00	PASS
Band26	3MHz	QPSK	26705	15RB#0	21.98	23.83	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#0	22.98	24.83	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#8	22.96	24.81	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#14	22.88	24.73	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#0	21.93	23.78	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#4	22.05	23.90	50.00	PASS
Band26	3MHz	QPSK	26740	8RB#7	21.96	23.81	50.00	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.01	23.86	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.07	24.92	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.06	24.91	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#14	22.99	24.84	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#0	21.98	23.83	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#4	22.01	23.86	50.00	PASS
Band26	3MHz	QPSK	26775	8RB#7	21.97	23.82	50.00	PASS
Band26	3MHz	QPSK	26775	15RB#0	21.99	23.84	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.14	23.99	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.12	23.97	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.20	24.05	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#0	21.12	22.97	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#4	20.94	22.79	50.00	PASS
Band26	3MHz	16QAM	26705	8RB#7	20.95	22.80	50.00	PASS
Band26	3MHz	16QAM	26705	15RB#0	20.96	22.81	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.19	24.04	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.14	23.99	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.15	24.00	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#0	20.94	22.79	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#4	21.04	22.89	50.00	PASS
Band26	3MHz	16QAM	26740	8RB#7	21.08	22.93	50.00	PASS
Band26	3MHz	16QAM	26740	15RB#0	20.98	22.83	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.12	23.97	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.14	23.99	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.14	23.99	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#0	21.09	22.94	50.00	PASS

Band26	3MHz	16QAM	26775	8RB#4	21.00	22.85	50.00	PASS
Band26	3MHz	16QAM	26775	8RB#7	21.07	22.92	50.00	PASS
Band26	3MHz	16QAM	26775	15RB#0	20.96	22.81	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.11	24.96	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.21	25.06	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#24	22.95	24.80	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#0	22.03	23.88	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#6	22.02	23.87	50.00	PASS
Band26	5MHz	QPSK	26715	12RB#13	22.04	23.89	50.00	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.01	23.86	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.03	24.88	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.01	24.86	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#24	22.80	24.65	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#0	22.03	23.88	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#6	22.00	23.85	50.00	PASS
Band26	5MHz	QPSK	26740	12RB#13	21.93	23.78	50.00	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.04	23.89	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.06	24.91	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#12	22.99	24.84	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#24	22.62	24.47	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#0	22.02	23.87	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#6	22.01	23.86	50.00	PASS
Band26	5MHz	QPSK	26765	12RB#13	21.98	23.83	50.00	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.03	23.88	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.28	24.13	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.44	24.29	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.20	24.05	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#0	21.05	22.90	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#6	21.02	22.87	50.00	PASS
Band26	5MHz	16QAM	26715	12RB#13	21.03	22.88	50.00	PASS
Band26	5MHz	16QAM	26715	25RB#0	20.89	22.74	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.24	24.09	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.25	24.10	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.24	24.09	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#0	21.14	22.99	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#6	21.09	22.94	50.00	PASS
Band26	5MHz	16QAM	26740	12RB#13	21.05	22.90	50.00	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.00	22.85	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.30	24.15	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.33	24.18	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.12	23.97	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#0	21.02	22.87	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#6	21.10	22.95	50.00	PASS
Band26	5MHz	16QAM	26765	12RB#13	21.07	22.92	50.00	PASS

Band26	5MHz	16QAM	26765	25RB#0	21.04	22.89	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.05	24.90	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.54	25.39	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#49	22.28	24.13	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#0	22.24	24.09	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#12	22.02	23.87	50.00	PASS
Band26	10MHz	QPSK	26740	25RB#25	21.96	23.81	50.00	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.06	23.91	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.65	24.50	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.11	23.96	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.53	24.38	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#0	21.03	22.88	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#12	21.02	22.87	50.00	PASS
Band26	10MHz	16QAM	26740	25RB#25	21.01	22.86	50.00	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.13	22.98	50.00	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

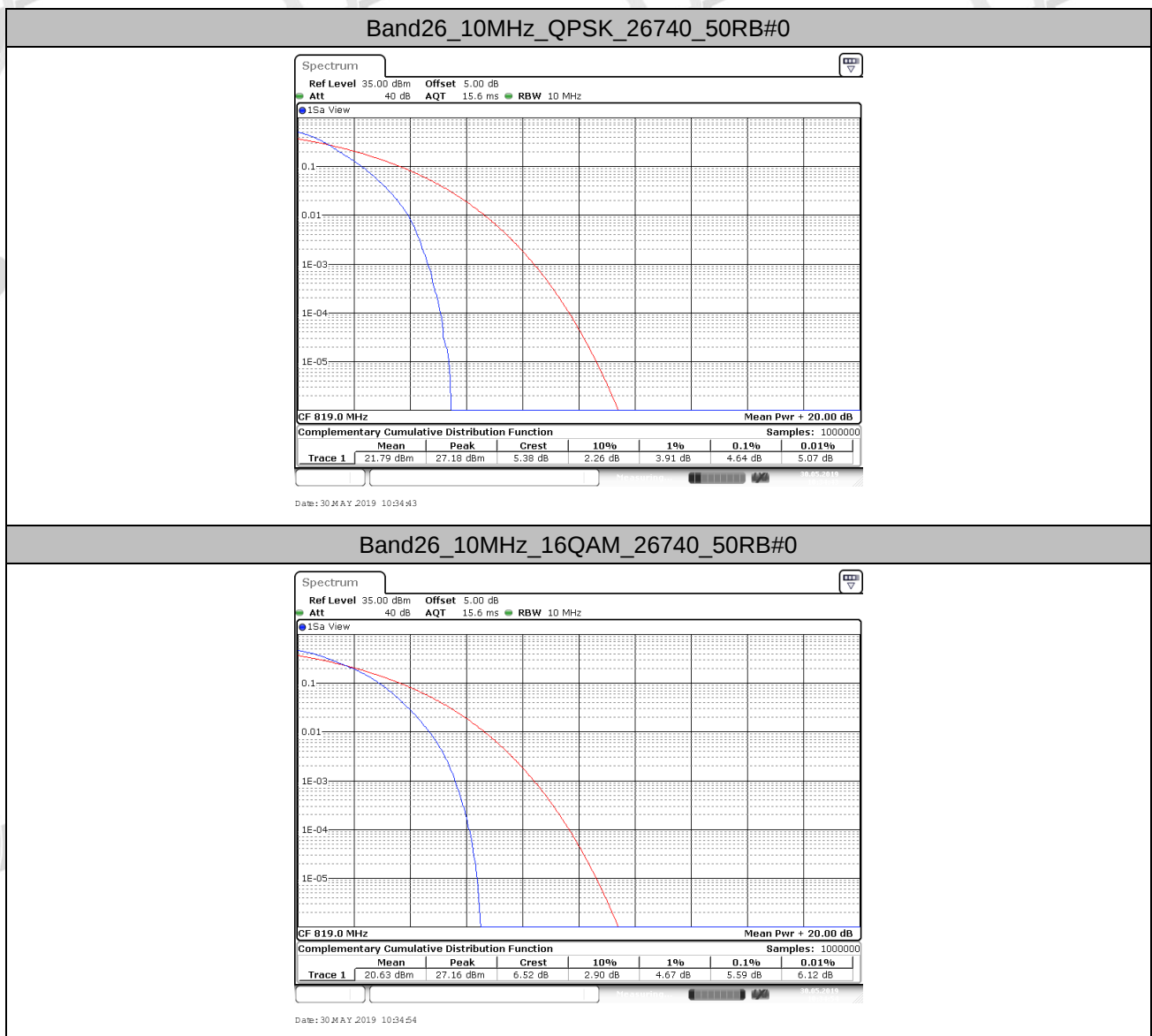
EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

4. Peak-to-Average Ratio(CCDF)

4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	10MHz	QPSK	26740	50RB#0	4.64	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	5.59	13	PASS

4.2. Test Plots

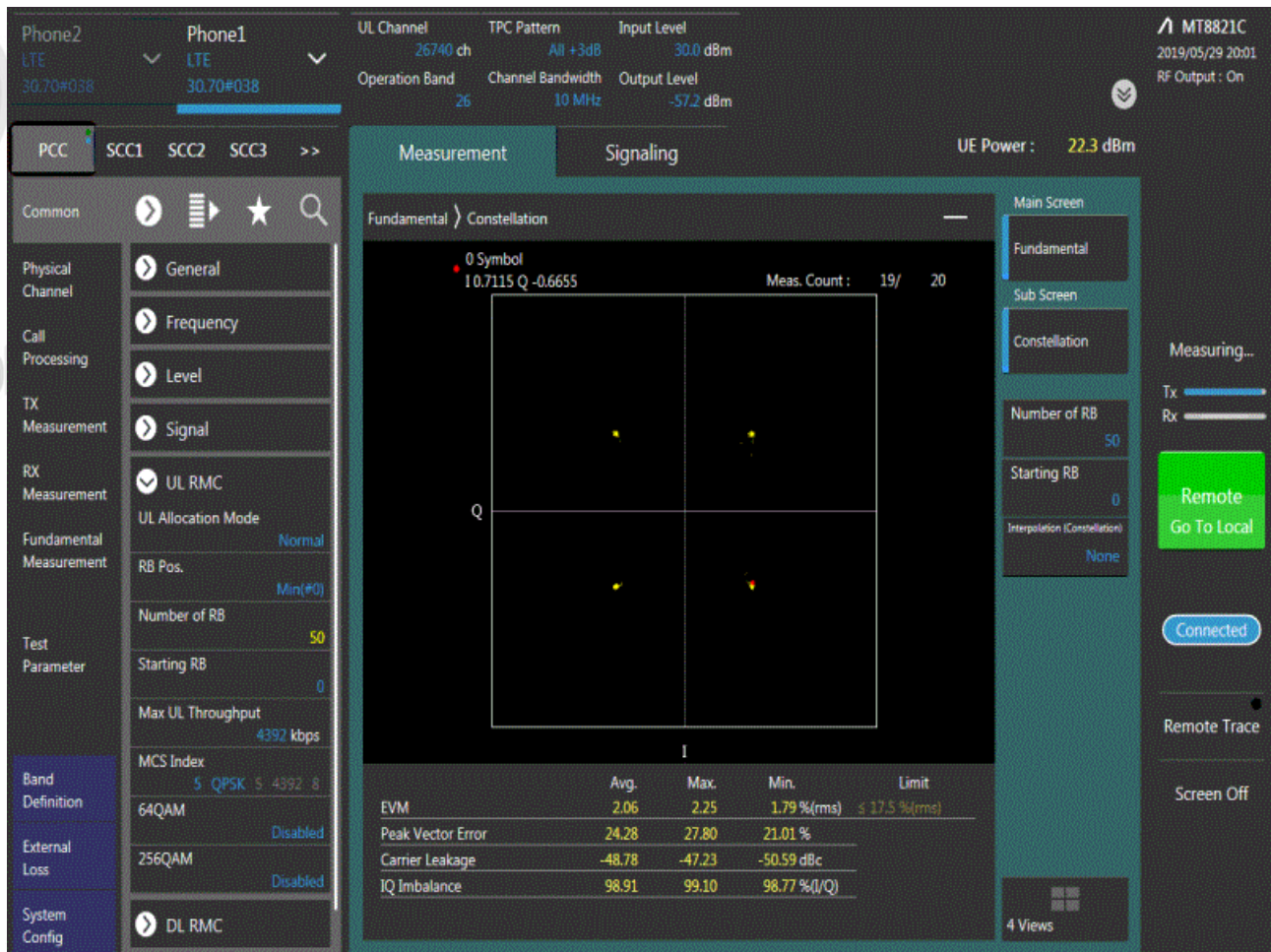


5. Modulation Characteristics

5.1. Test BAND = LTE Band 26

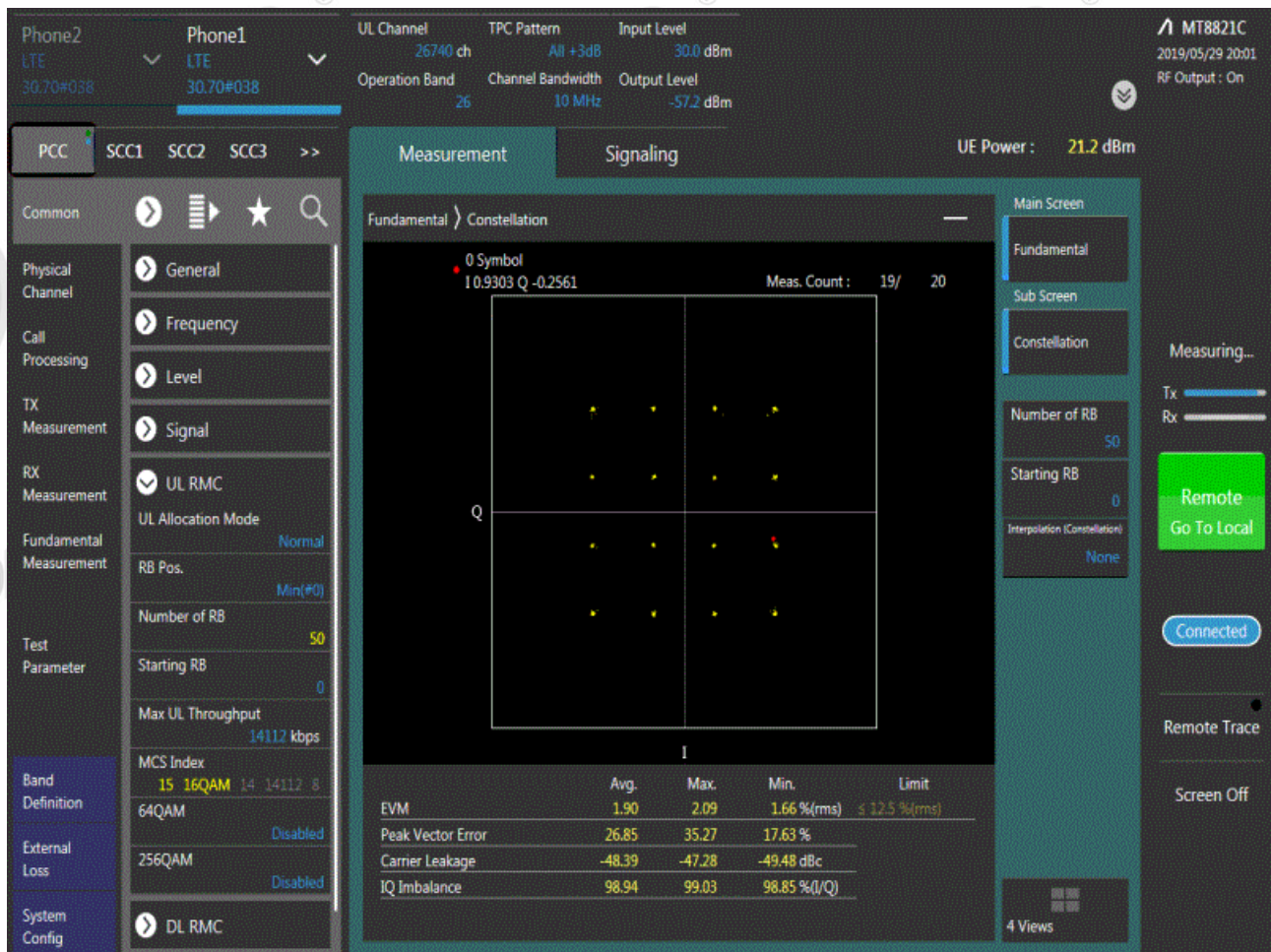
5.2. Test Mode = LTE /TM1 10MHz

5.2.1. Test Channel = MCH



5.3. Test Mode = LTE /TM2 10MHz

5.3.1. Test Channel = MCH



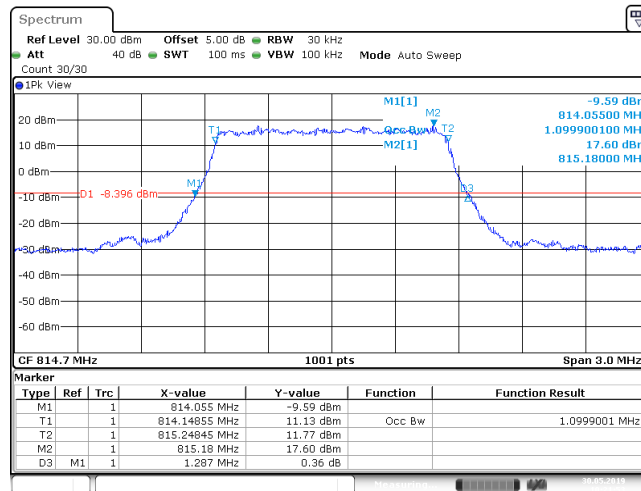
6. 26dB Bandwidth and Occupied Bandwidth

6.1. Test Result

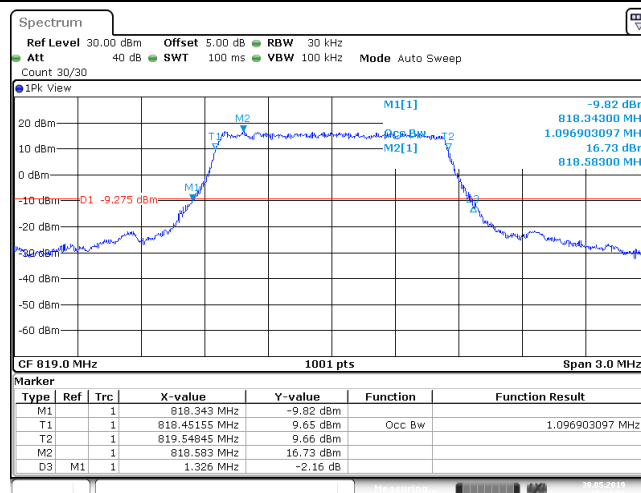
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.100	1.287	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.097	1.326	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.094	1.311	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.097	1.305	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.094	1.287	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.097	1.299	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.697	2.994	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.703	2.982	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.703	2.964	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.691	2.982	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.691	2.982	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.697	3.006	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.466	4.890	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.486	4.950	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.486	4.940	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.466	4.950	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.476	4.920	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.476	4.900	PASS
Band26	10MHz	QPSK	26740	50RB#0	8.911	9.640	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.911	9.680	PASS

6.2. Test Plots

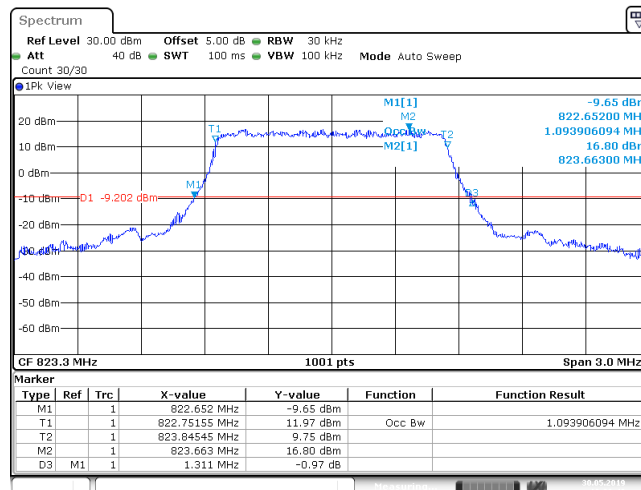
Band26_1.4MHz_QPSK_26697_6RB#0



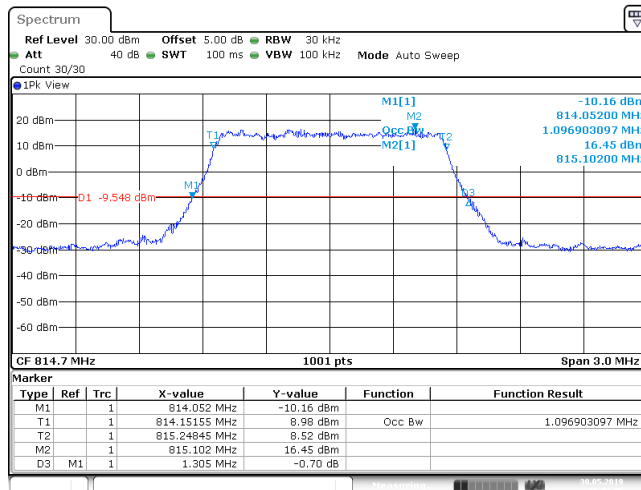
Band26_1.4MHz_QPSK_26740_6RB#0



Band26_1.4MHz_QPSK_26783_6RB#0

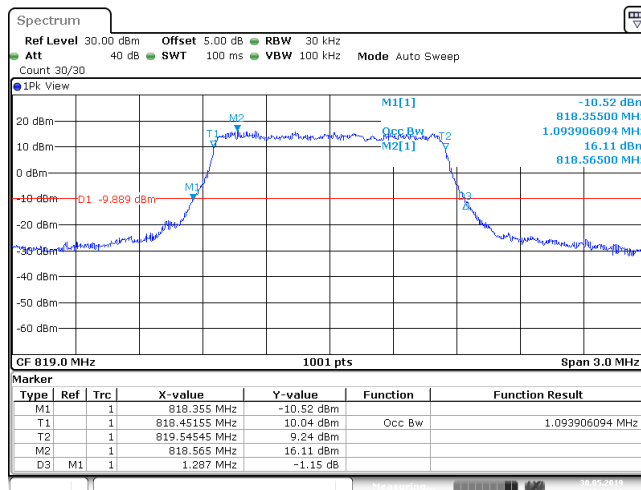


Band26_1.4MHz_16QAM_26697_6RB#0



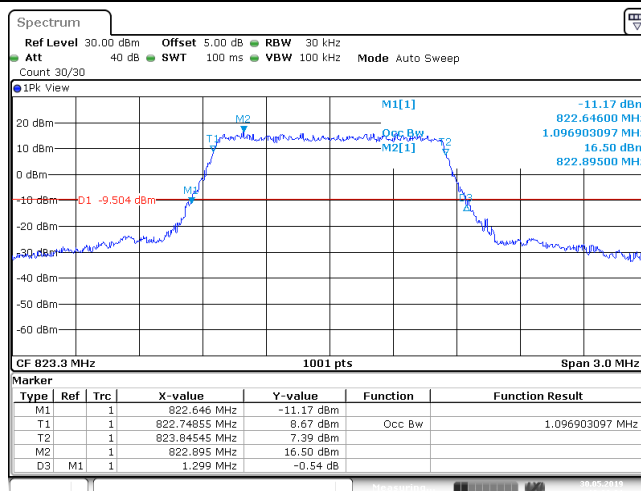
Date: 30 MAY 2019 10:22:06

Band26_1.4MHz_16QAM_26740_6RB#0



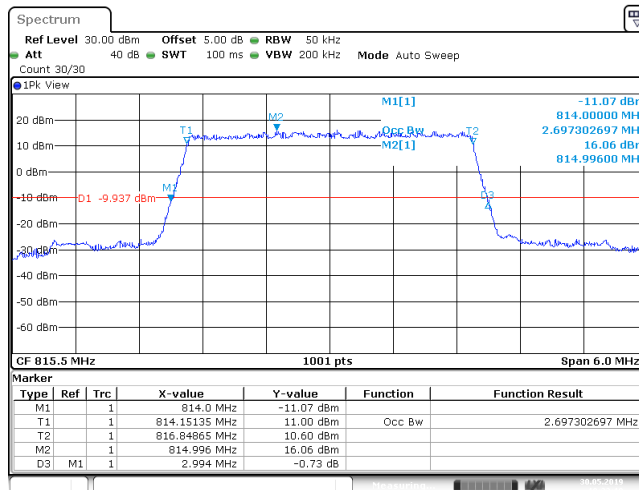
Date: 30 MAY 2019 10:22:34

Band26_1.4MHz_16QAM_26783_6RB#0



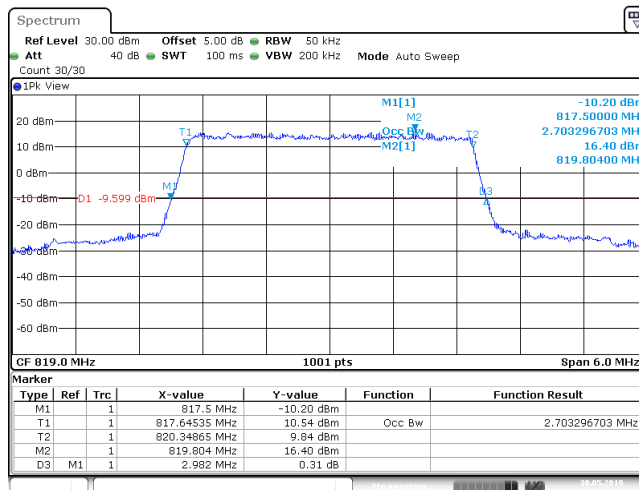
Date: 30 MAY 2019 10:23:01

Band26_3MHz_QPSK_26705_15RB#0



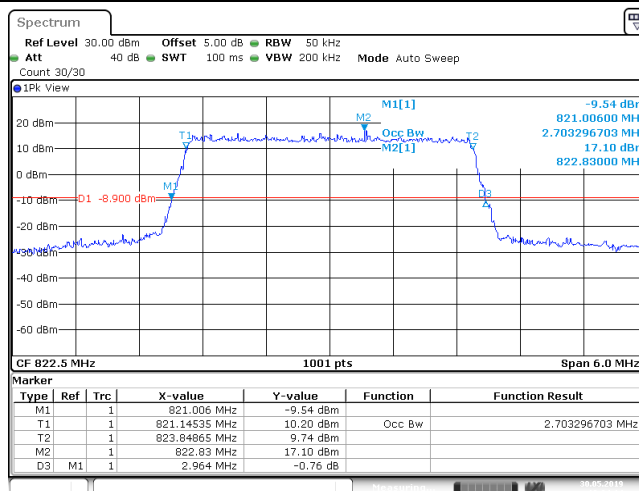
Date: 30 MAY 2019 10:23:20

Band26_3MHz_QPSK_26740_15RB#0



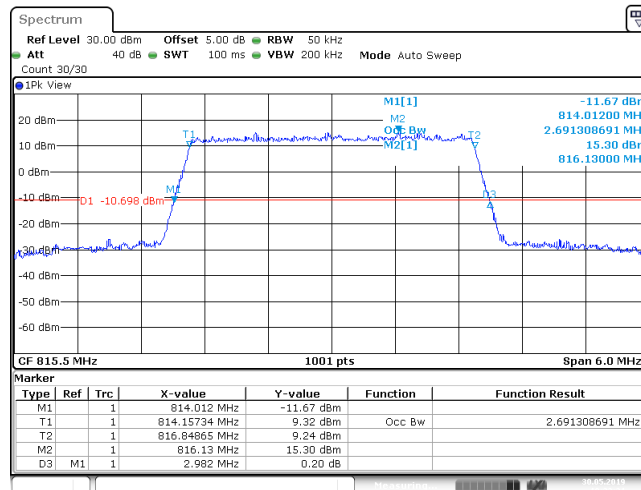
Date: 30 MAY 2019 10:23:47

Band26_3MHz_QPSK_26775_15RB#0



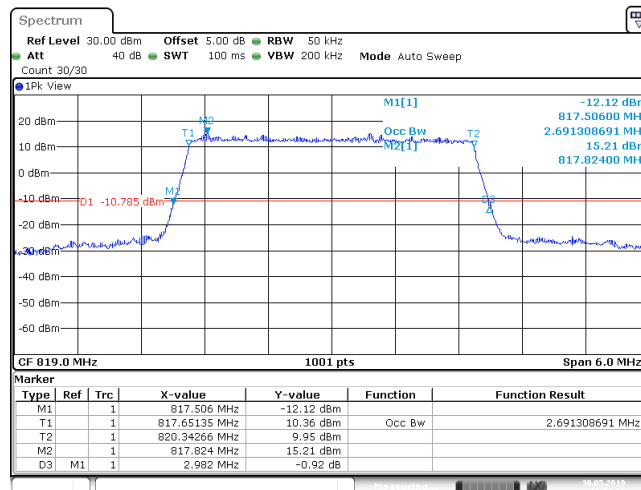
Date: 30 MAY 2019 10:24:15

Band26_3MHz_16QAM_26705_15RB#0



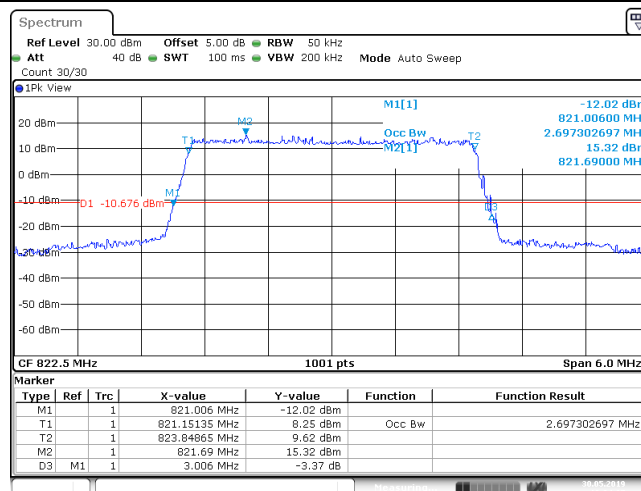
Date: 30 MAY 2019 10:23:32

Band26_3MHz_16QAM_26740_15RB#0



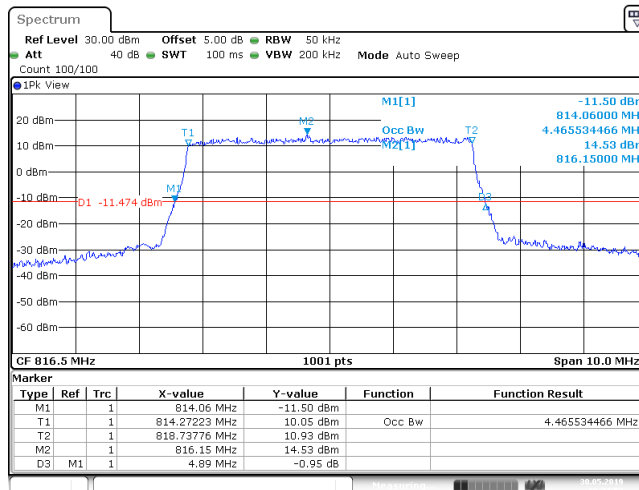
Date: 30 MAY 2019 10:24:00

Band26_3MHz_16QAM_26775_15RB#0



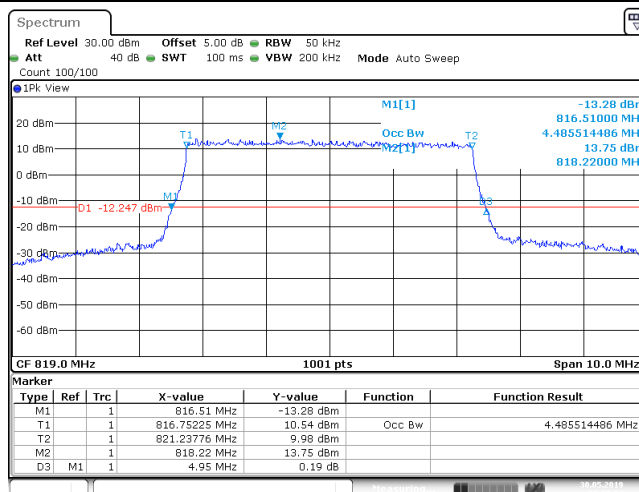
Date: 30 MAY 2019 10:24:27

Band26_5MHz_QPSK_26715_25RB#0



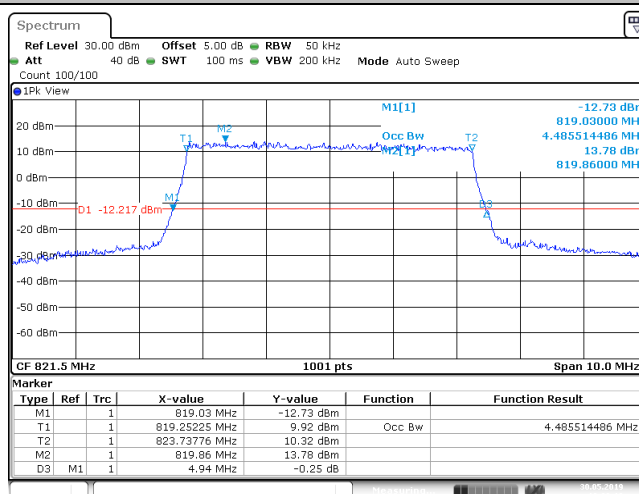
Date: 30 MAY 2019 10:24:53

Band26_5MHz_QPSK_26740_25RB#0



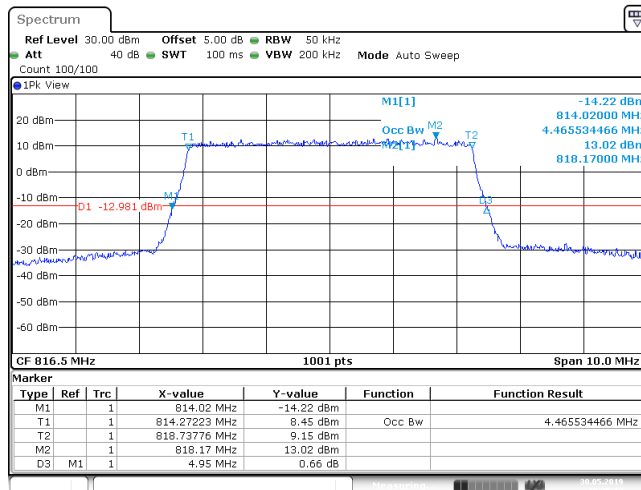
Date: 30 MAY 2019 10:25:34

Band26_5MHz_QPSK_26765_25RB#0



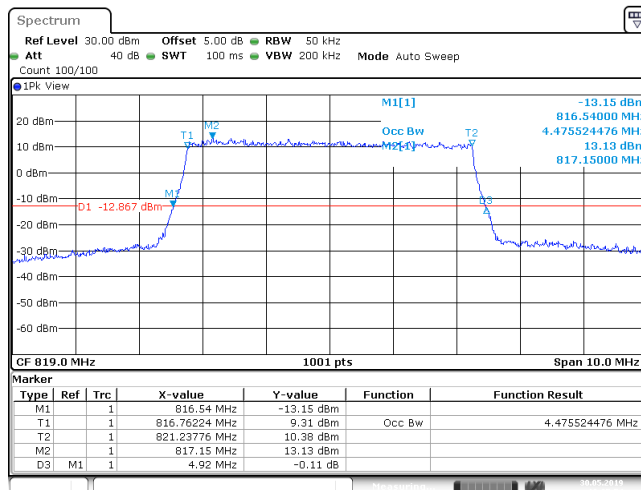
Date: 30 MAY 2019 10:26:18

Band26_5MHz_16QAM_26715_25RB#0



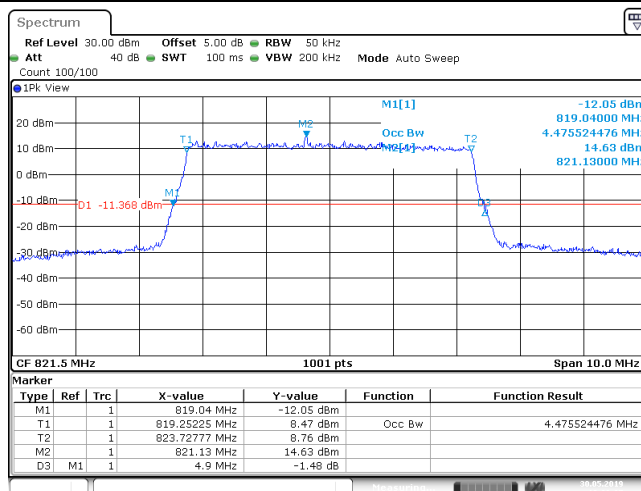
Date: 30 MAY 2019 10:25:12

Band26_5MHz_16QAM_26740_25RB#0



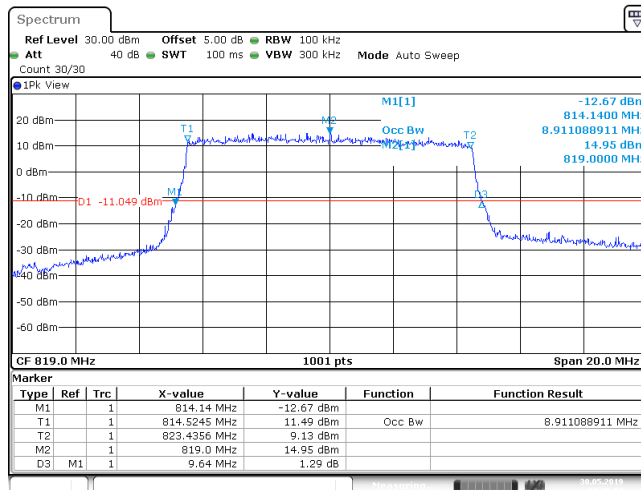
Date: 30 MAY 2019 10:25:55

Band26_5MHz_16QAM_26765_25RB#0



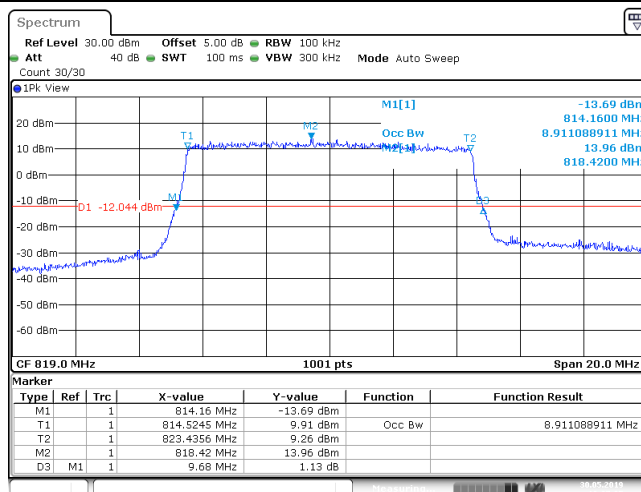
Date: 30 MAY 2019 10:26:37

Band26_10MHz_QPSK_26740_50RB#0



Date: 30 MAY 2019 10:26:53

Band26_10MHz_16QAM_26740_50RB#0

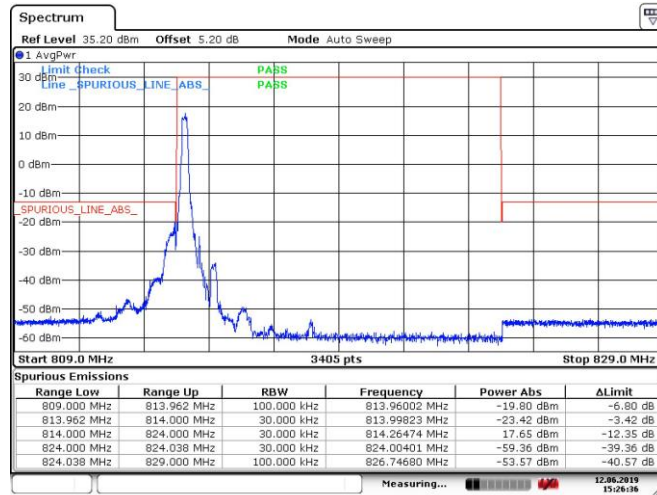


Date: 30 MAY 2019 10:27:56

7. Band Edge Compliance

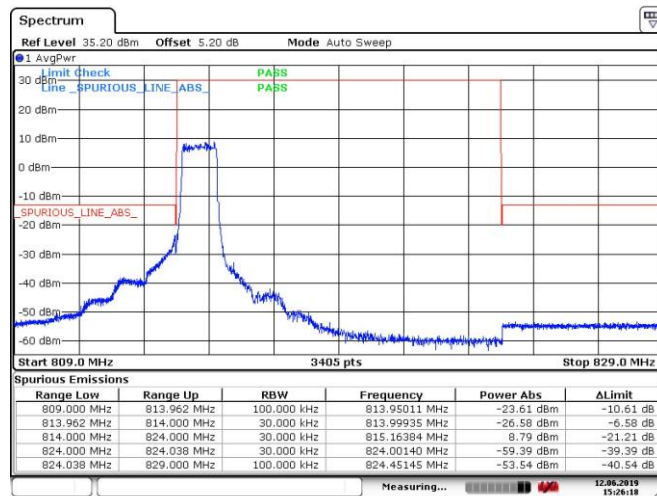
7.1. Test Plots

Band26_1.4MHz_QPSK_26697_1RB#0



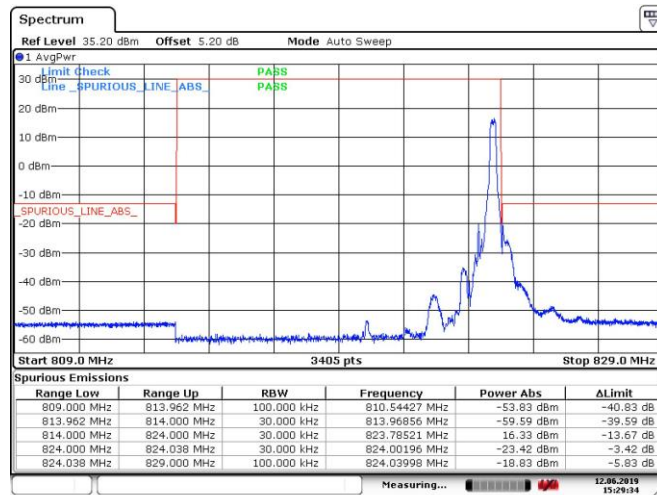
Date: 12 JUN 2019 15:26:37

Band26_1.4MHz_QPSK_26697_6RB#0



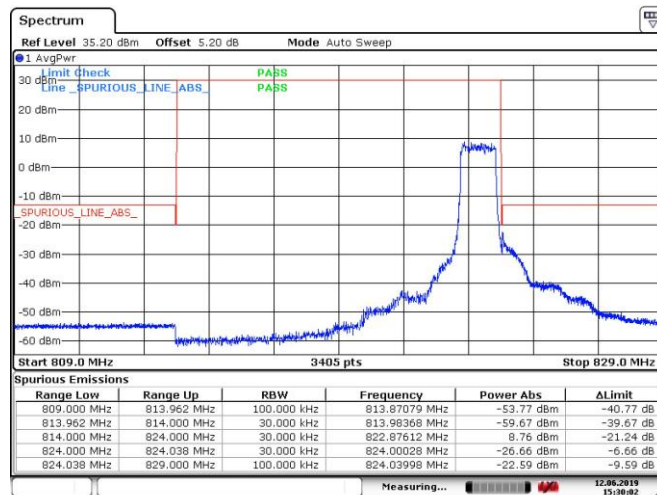
Date: 12 JUN 2019 15:26:18

Band26_1.4MHz_QPSK_26783_1RB#5



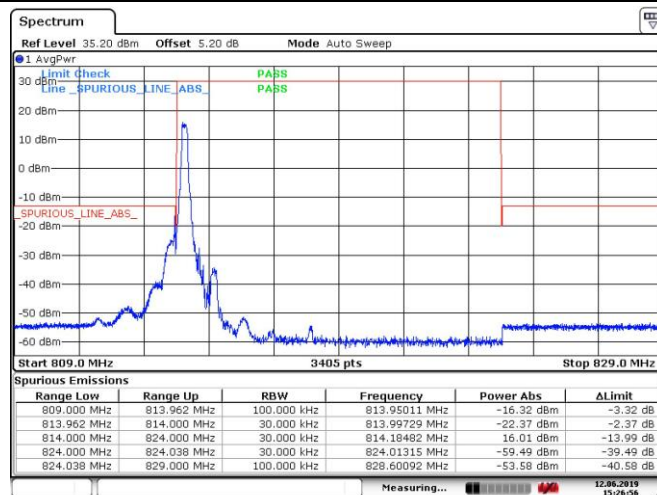
Date: 12 JUN 2019 15:29:35

Band26_1.4MHz_QPSK_26783_6RB#0



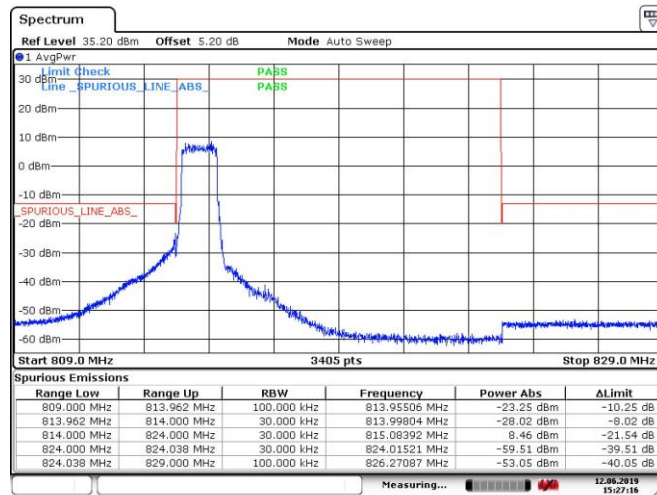
Date: 12 JUN 2019 15:30:02

Band26_1.4MHz_16QAM_26697_1RB#0



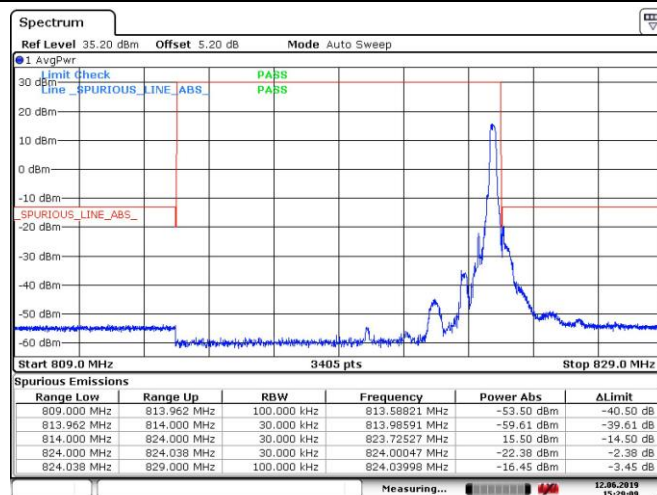
Date: 12 JUN 2019 15:28:57

Band26_1.4MHz_16QAM_26697_6RB#0



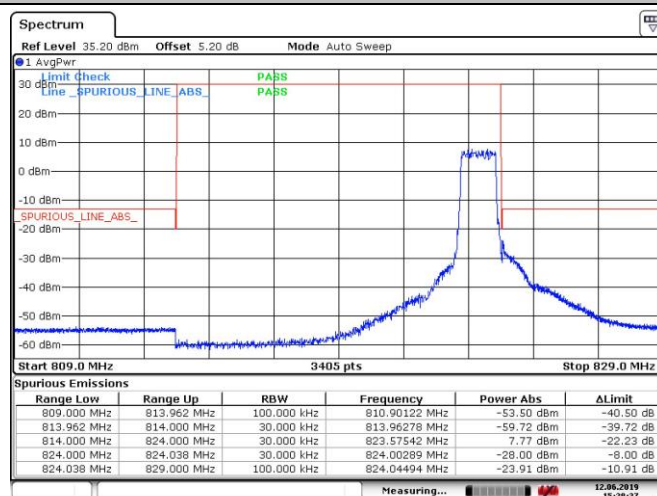
Date: 12 JUN 2019 15:27:16

Band26_1.4MHz_16QAM_26783_1RB#5



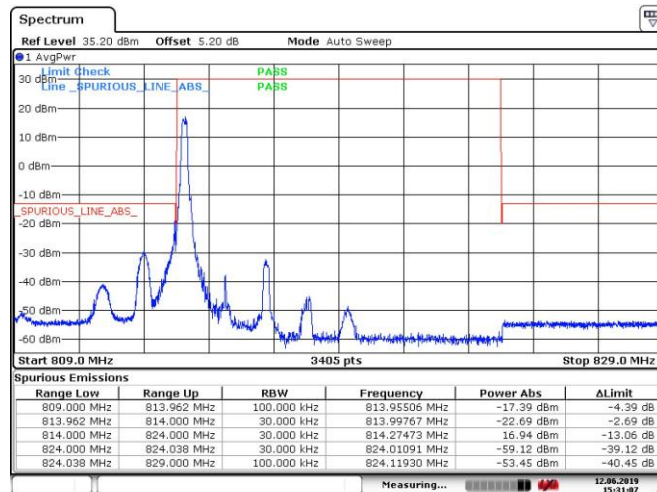
Date: 12 JUN 2019 15:28:09

Band26_1.4MHz_16QAM_26783_6RB#0



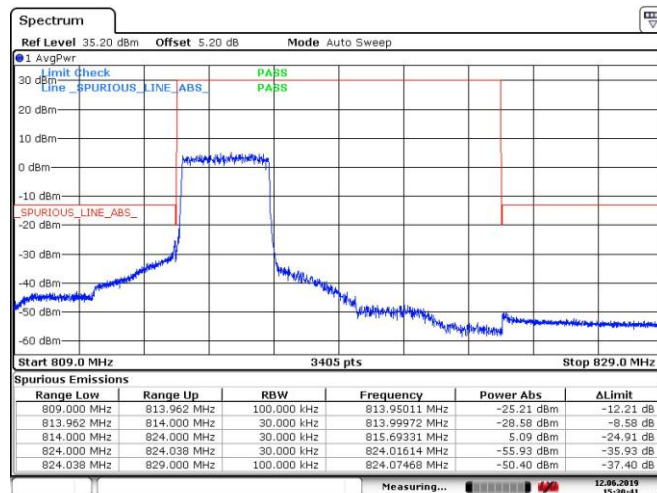
Date: 12 JUN 2019 15:28:38

Band26_3MHz_QPSK_26705_1RB#0



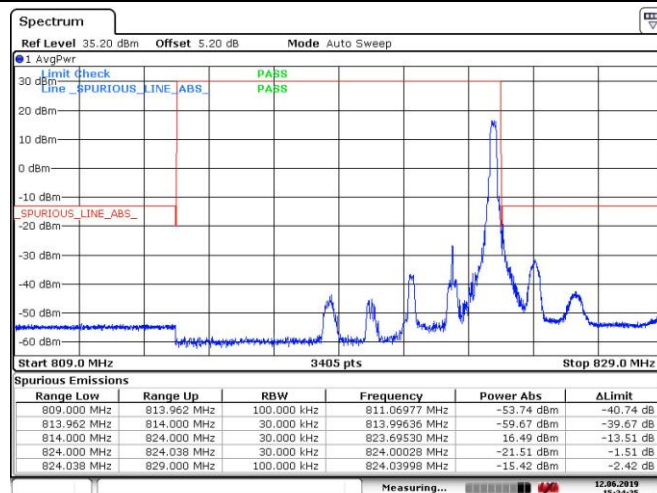
Date: 12 JUN 2019 15:31:07

Band26_3MHz_QPSK_26705_15RB#0



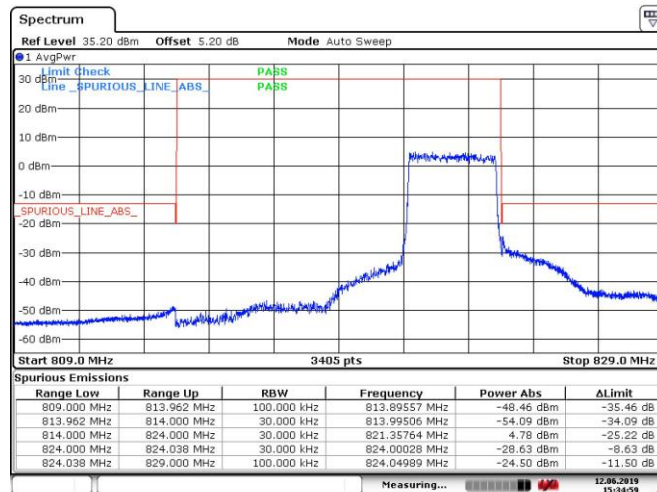
Date: 12 JUN 2019 15:30:41

Band26_3MHz_QPSK_26775_1RB#14



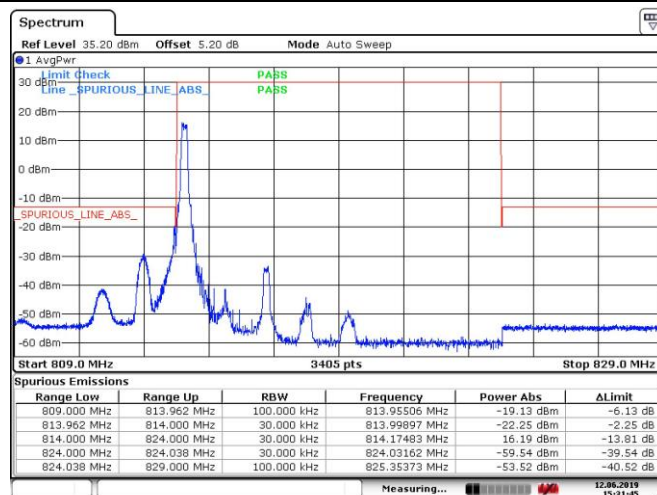
Date: 12 JUN 2019 15:34:35

Band26_3MHz_QPSK_26775_15RB#0



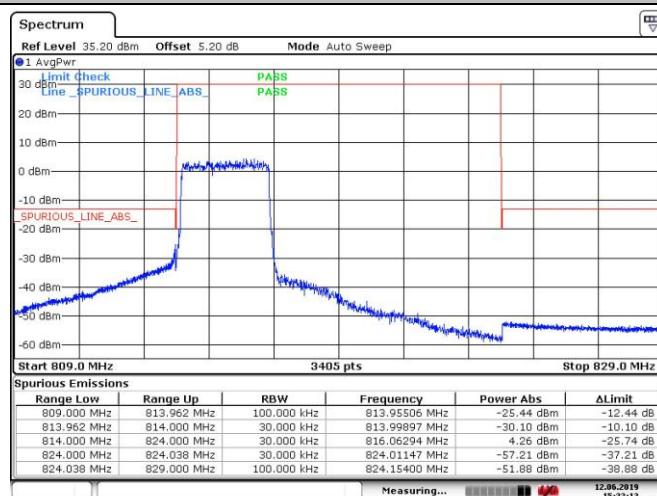
Date: 12 JUN 2019 15:34:59

Band26_3MHz_16QAM_26705_1RB#0



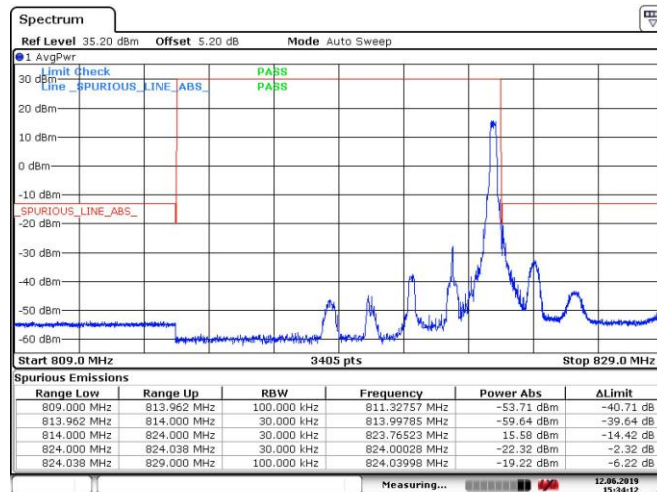
Date: 12 JUN 2019 15:31:45

Band26_3MHz_16QAM_26705_15RB#0



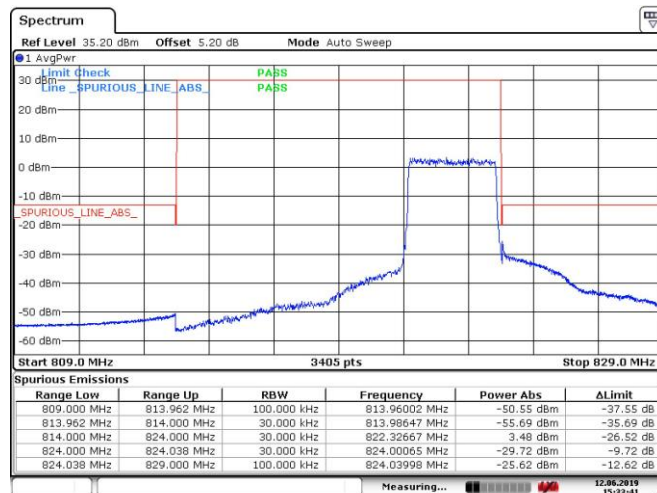
Date: 12 JUN 2019 15:32:14

Band26_3MHz_16QAM_26775_1RB#14



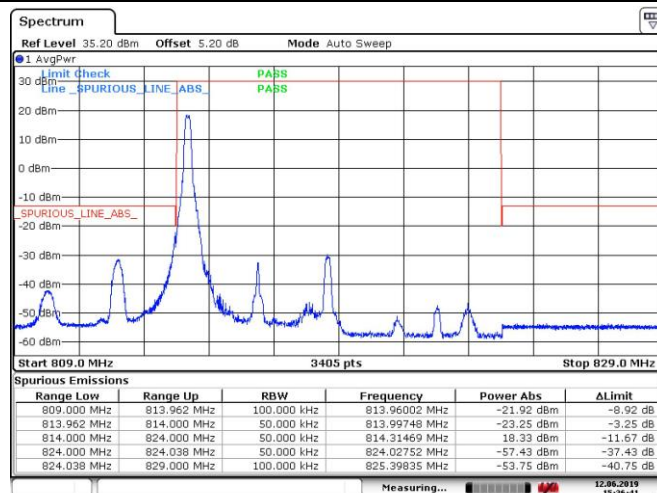
Date: 12 JUN 2019 15:34:12

Band26_3MHz_16QAM_26775_15RB#0



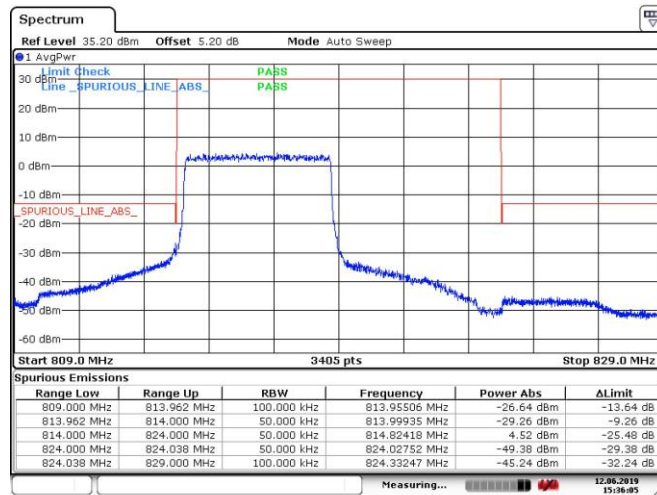
Date: 12 JUN 2019 15:33:41

Band26_5MHz_QPSK_26715_1RB#0



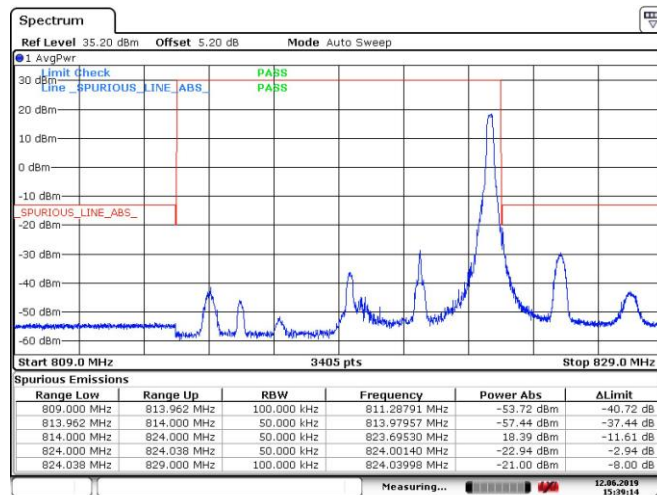
Date: 12 JUN 2019 15:36:41

Band26_5MHz_QPSK_26715_25RB#0



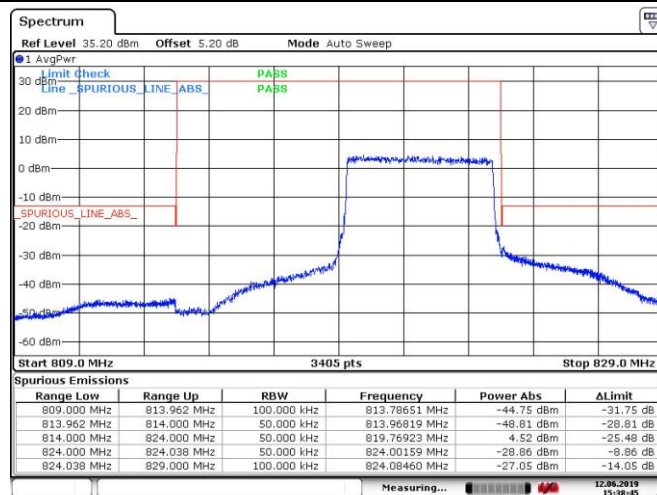
Date: 12 JUN 2019 15:38:05

Band26_5MHz_QPSK_26765_1RB#24



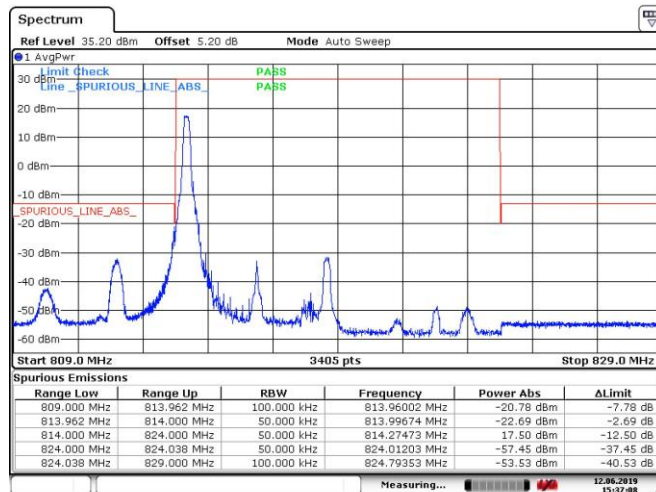
Date: 12 JUN 2019 15:38:15

Band26_5MHz_QPSK_26765_25RB#0



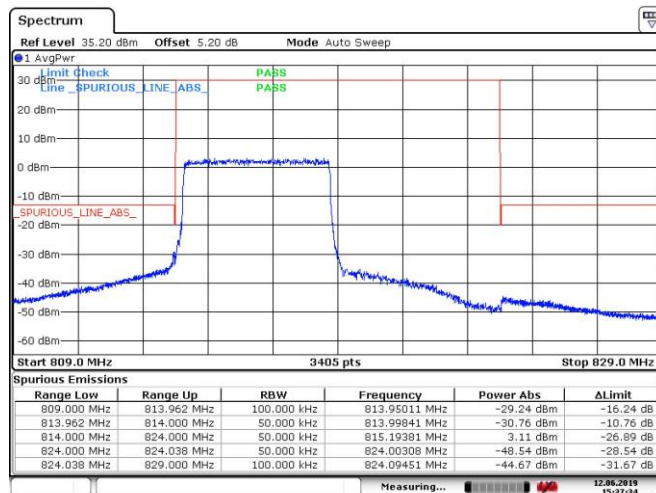
Date: 12 JUN 2019 15:38:45

Band26_5MHz_16QAM_26715_1RB#0



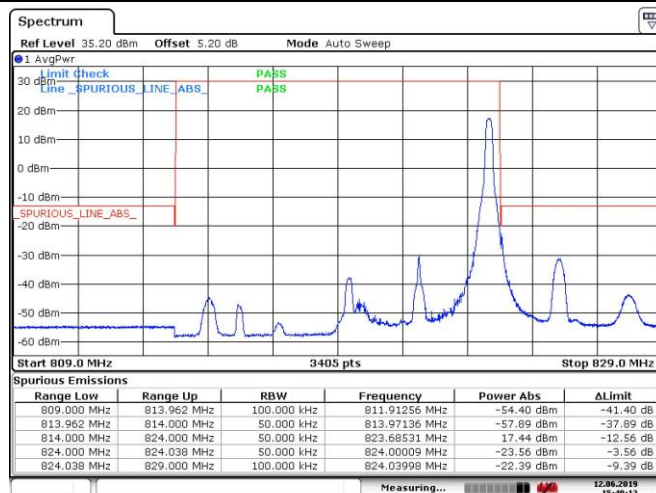
Date: 12 JUN 2019 15:37:08

Band26_5MHz_16QAM_26715_25RB#0



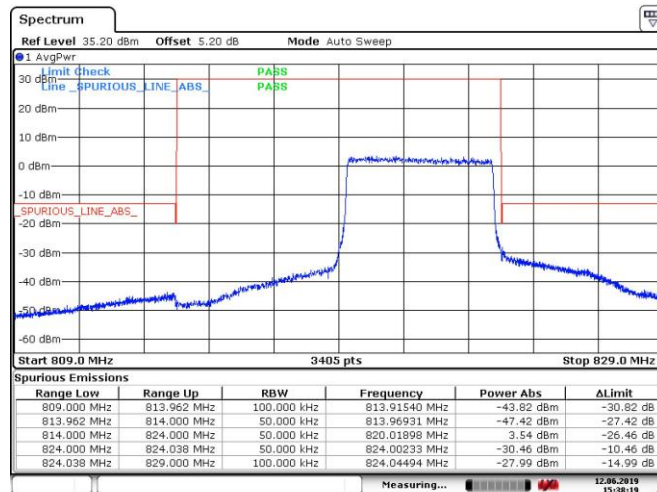
Date: 12 JUN 2019 15:37:34

Band26_5MHz_16QAM_26765_1RB#24



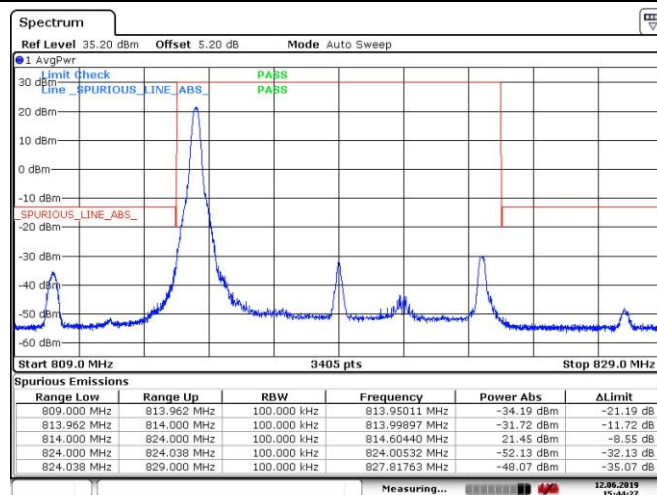
Date: 12 JUN 2019 15:40:13

Band26_5MHz_16QAM_26765_25RB#0



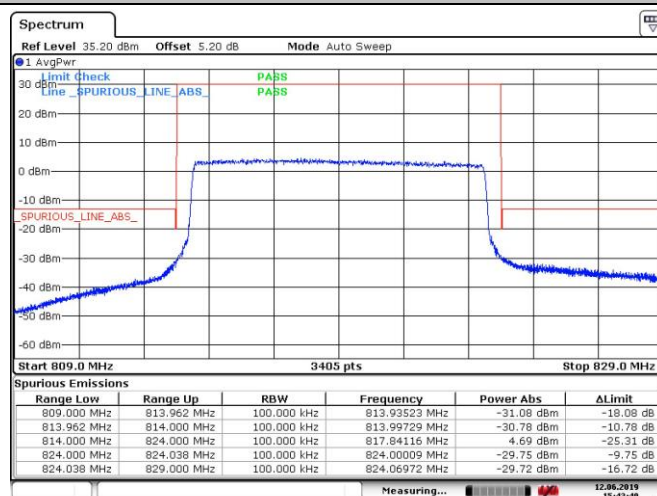
Date: 12 JUN 2019 15:38:18

Band26_10MHz_QPSK_26740_1RB#0



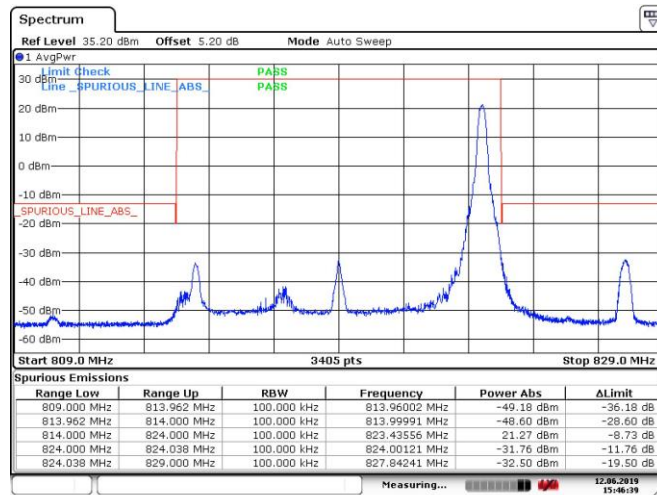
Date: 12 JUN 2019 15:44:27

Band26_10MHz_QPSK_26740_50RB#0



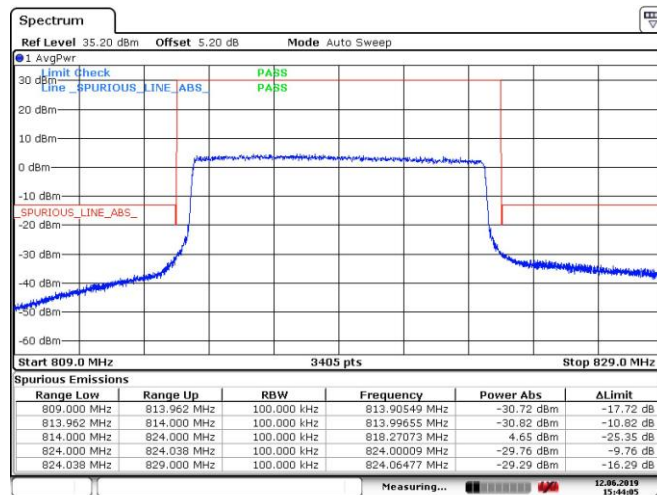
Date: 12 JUN 2019 15:43:50

Band26_10MHz_QPSK_26740_1RB#49



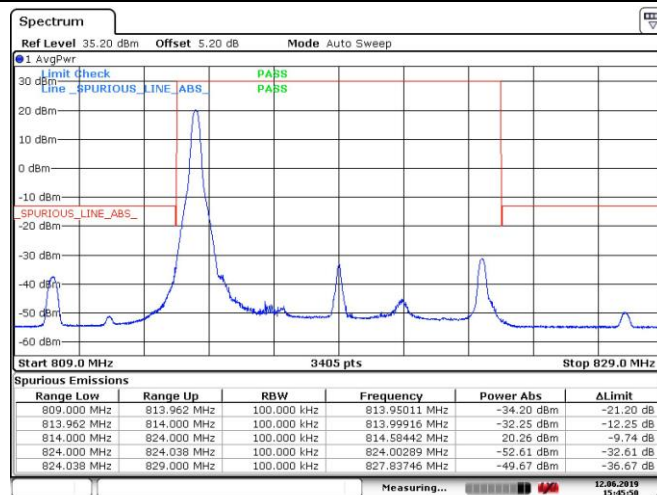
Date: 12 JUN 2019 15:46:40

Band26_10MHz_QPSK_26740_50RB#0



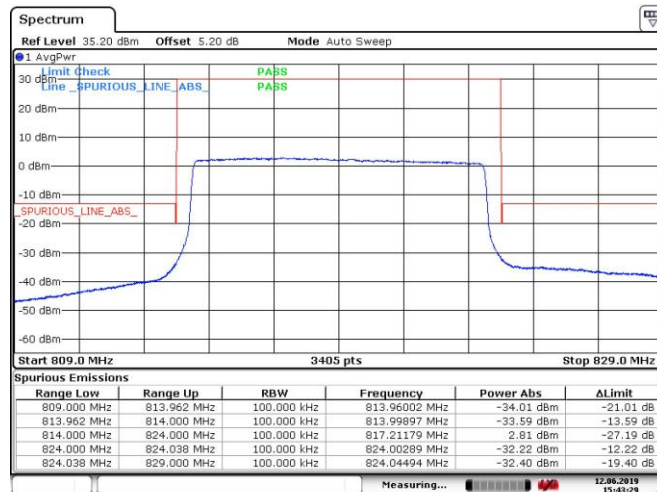
Date: 12 JUN 2019 15:44:06

Band26_10MHz_16QAM_26740_1RB#0



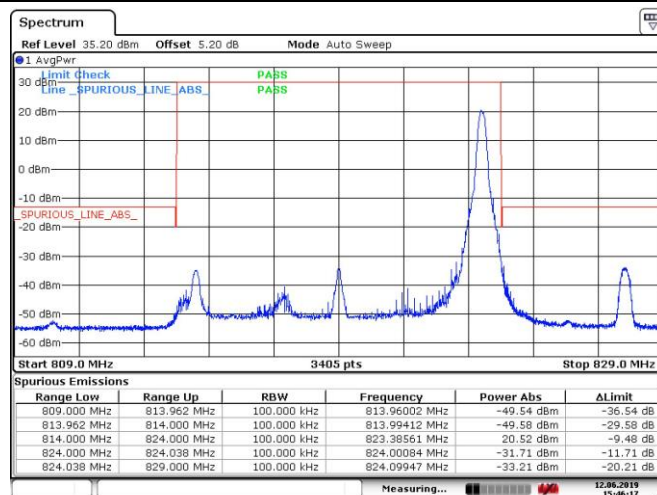
Date: 12 JUN 2019 15:45:50

Band26_10MHz_16QAM_26740_50RB#0



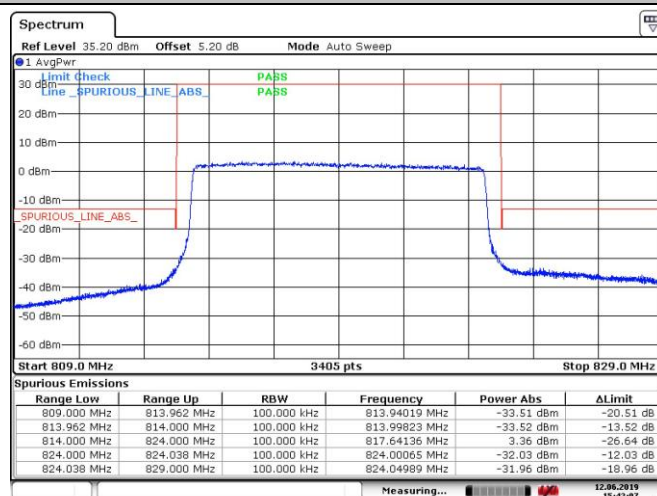
Date: 12 JUN 2019 15:43:30

Band26_10MHz_16QAM_26740_1RB#49



Date: 12 JUN 2019 15:46:18

Band26_10MHz_16QAM_26740_50RB#0



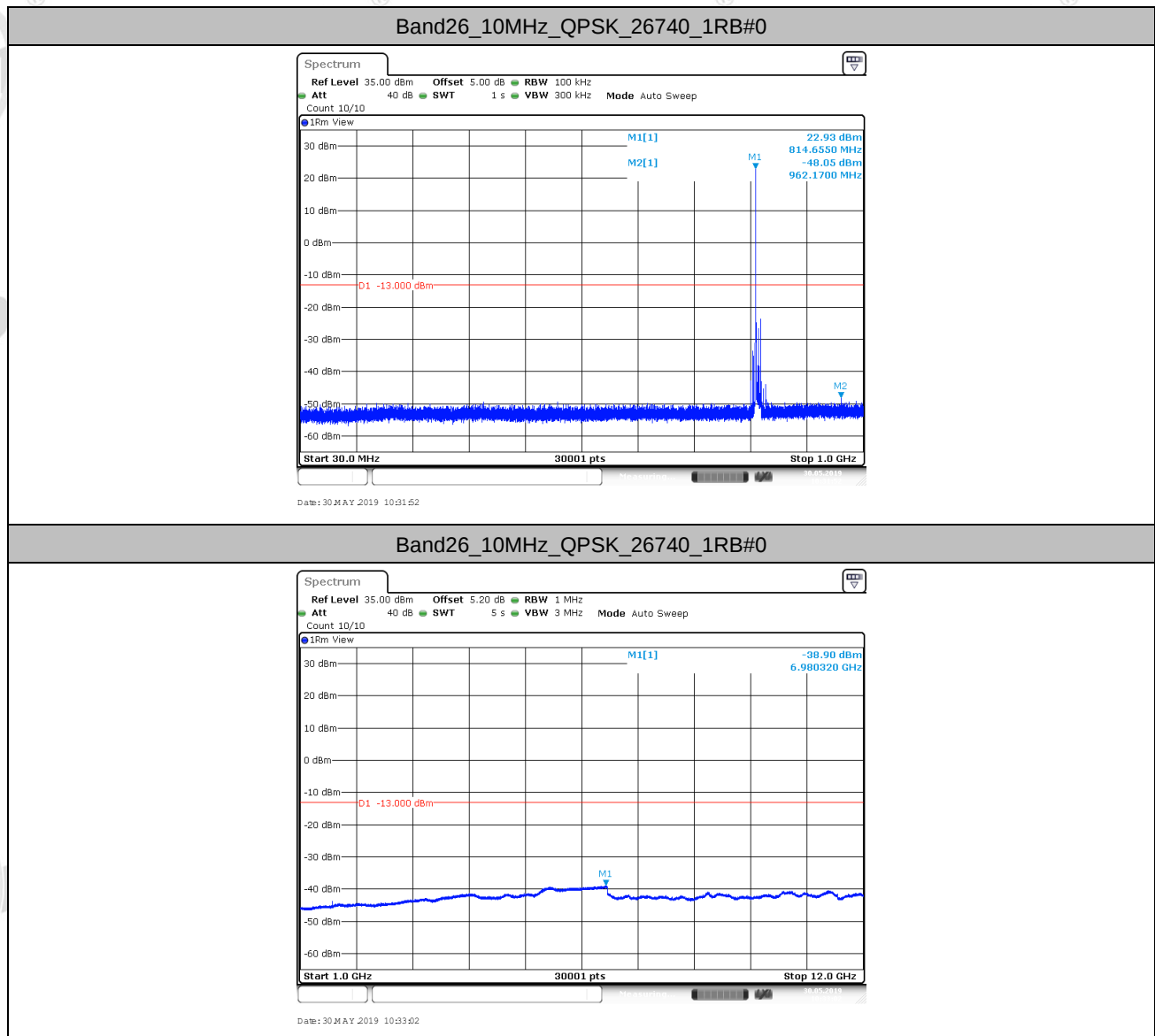
Date: 12 JUN 2019 15:42:07

8. Spurious Emission at Antenna Terminal

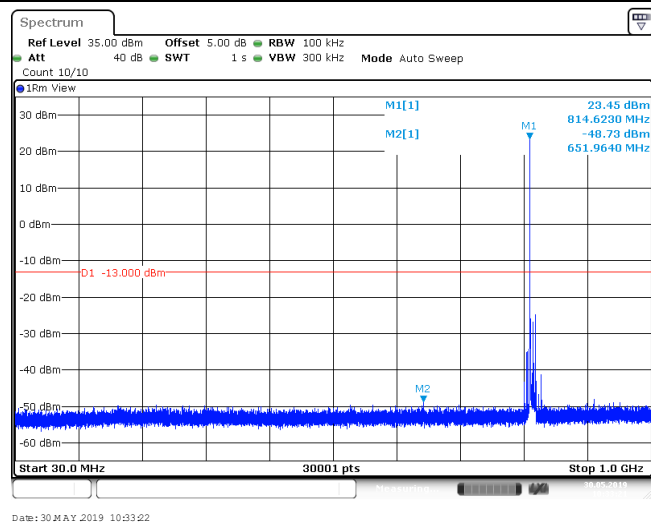
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

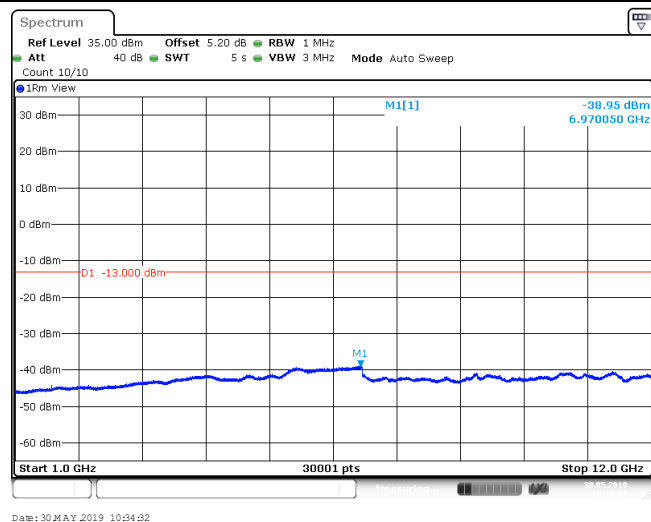
8.1. Test Plots



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	-2.70	-0.003297	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VN	NT	-1.50	-0.001832	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	VH	NT	-2.50	-0.003053	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VL	NT	-0.50	-0.000611	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VN	NT	0.30	0.000366	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	VH	NT	-3.20	-0.003907	±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	-0.60	-0.000733	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	-20	-2.80	-0.003419	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	0	-0.80	-0.000977	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	10	-2.10	-0.002564	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	20	-3.20	-0.003907	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	30	-0.40	-0.000488	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	40	-3.20	-0.003907	±2.5	PASS
Band26	10MHz	QPSK	26740	50RB#0	NV	50	-4.30	-0.005250	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-30	-2.20	-0.002686	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	-20	-1.50	-0.001832	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	0	-2.70	-0.003297	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	10	-1.10	-0.001343	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	20	-3.00	-0.003663	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	30	-3.90	-0.004762	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	40	-1.80	-0.002198	±2.5	PASS
Band26	10MHz	16QAM	26740	50RB#0	NV	50	-2.10	-0.002564	±2.5	PASS

The End