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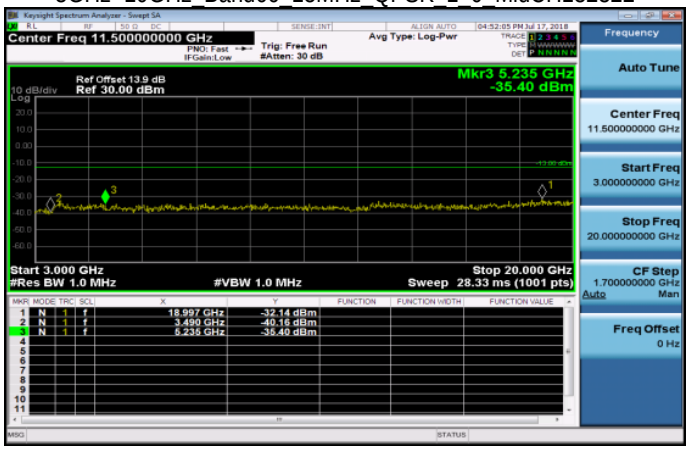

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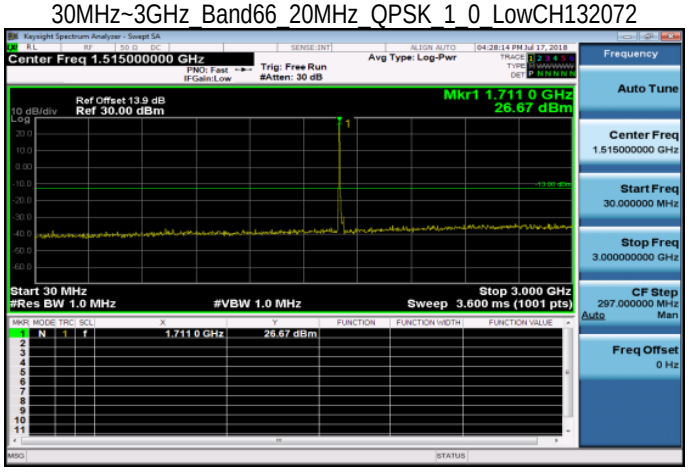
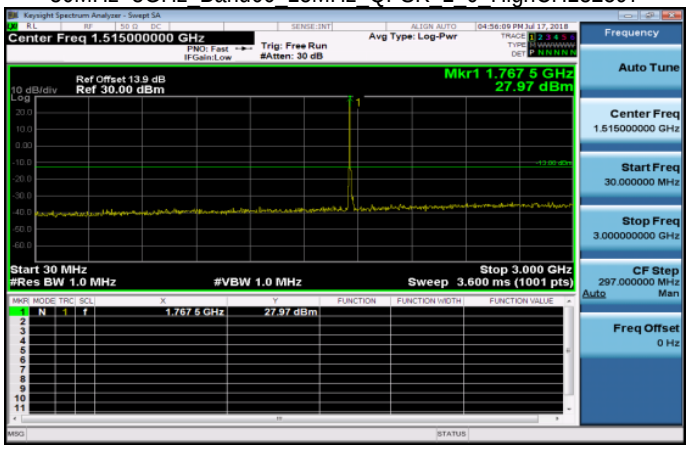


30MHz~3GHz_Band66_15MHz_QPSK_1_0_HighCH132597



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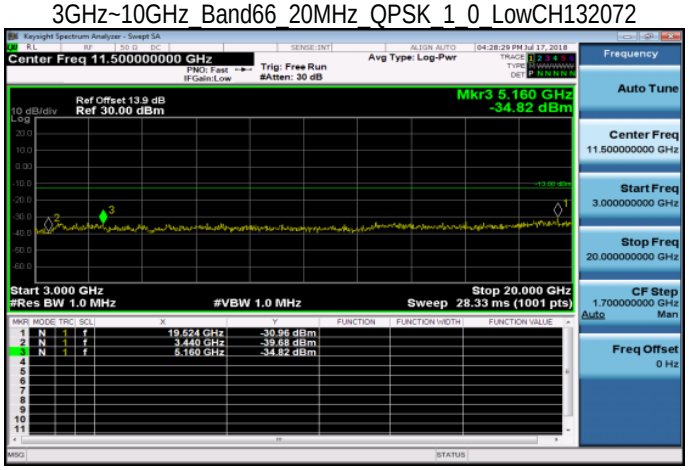
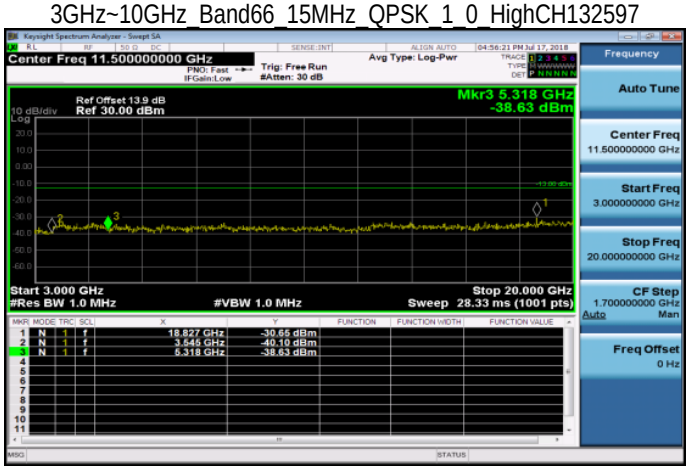
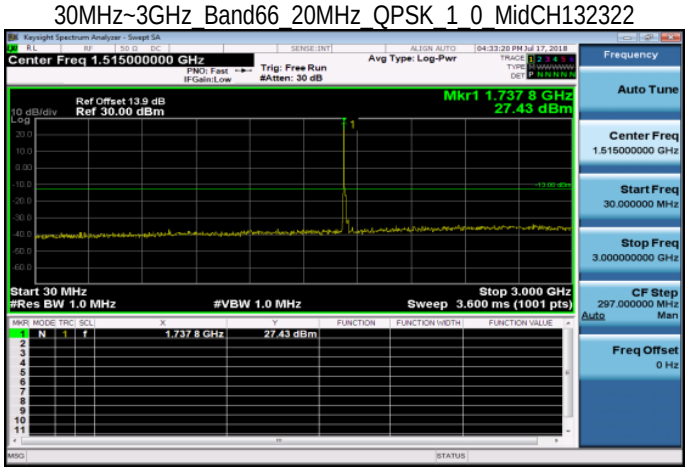


3GHz~10GHz_Band66_15MHz_QPSK_1_0_HighCH132597



30MHz~3GHz_Band66_20MHz_QPSK_1_0_MidCH132322



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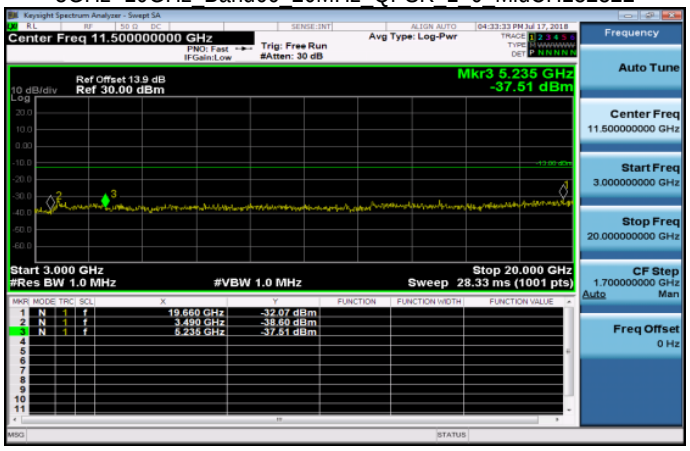
3GHz~10GHz_Band66_20MHz_QPSK_1_0_MidCH132322



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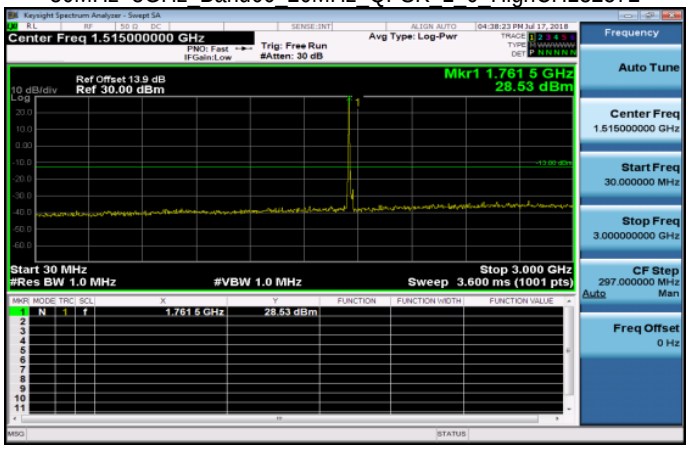
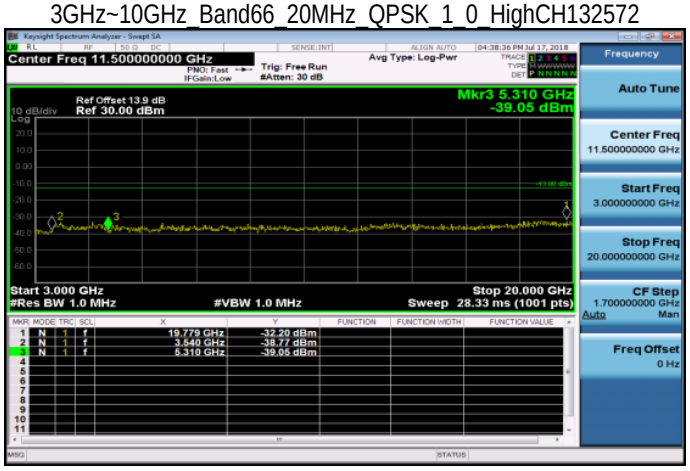


3GHz~10GHz_Band66_20MHz_QPSK_1_0_HighCH132572



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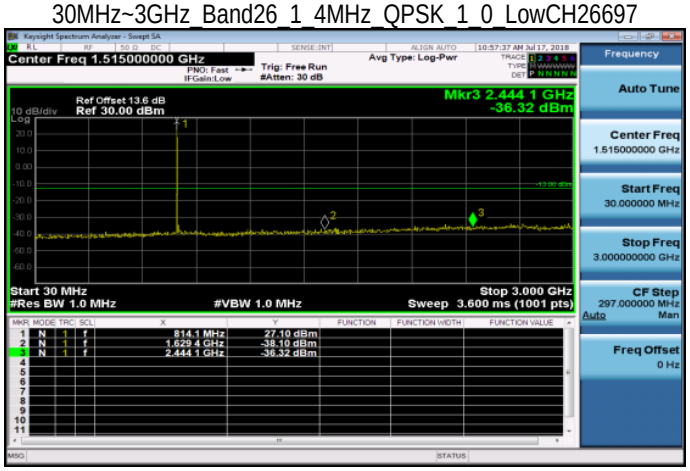
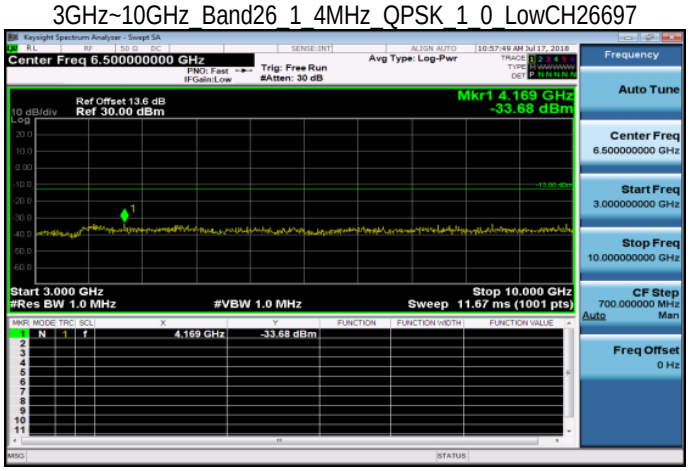
Part 90

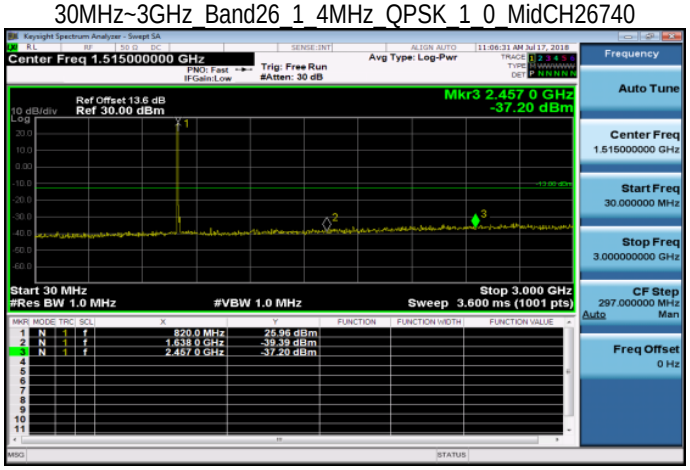
30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_LowCH26697



3GHz~10GHz_Band26_1_4MHz_QPSK_1_0_LowCH26697



30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_MidCH26740



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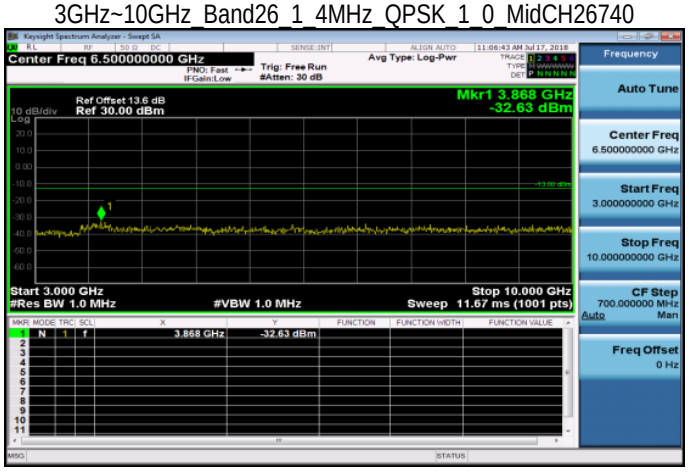
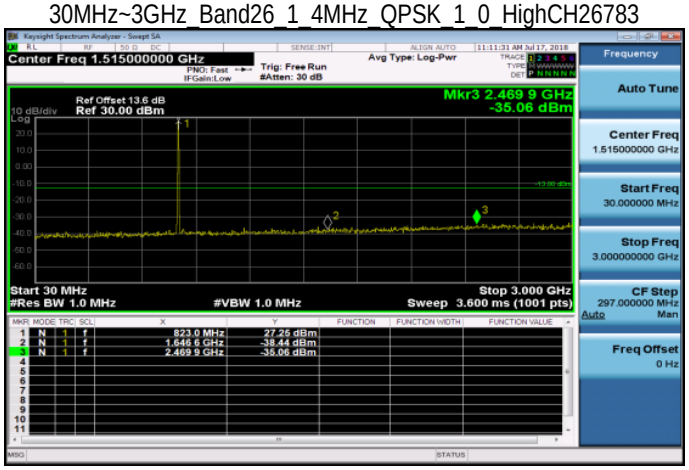


30MHz~3GHz_Band26_1_4MHz_QPSK_1_0_HighCH26783



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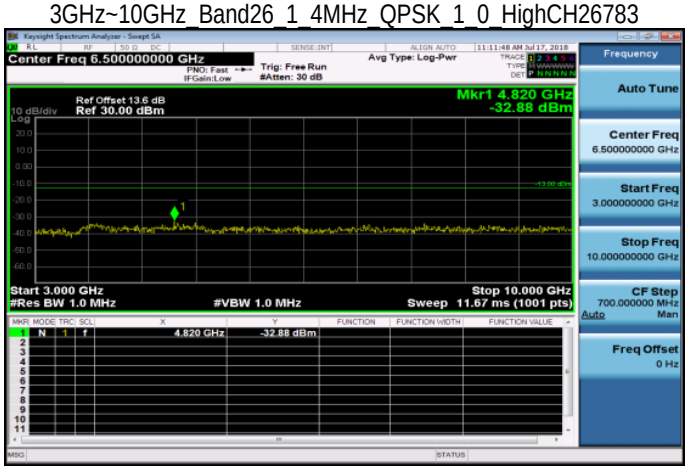

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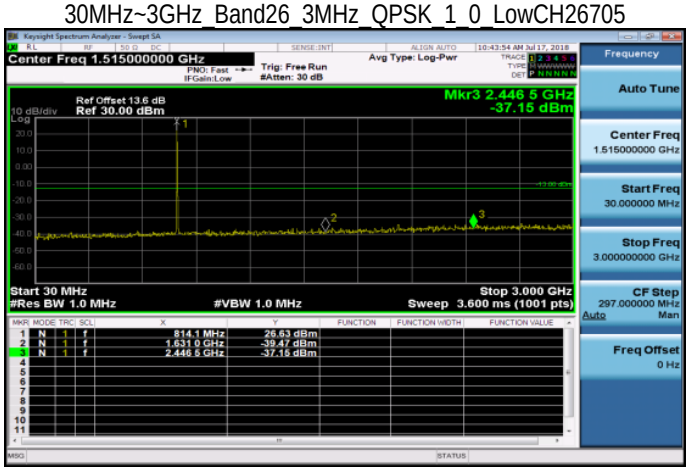
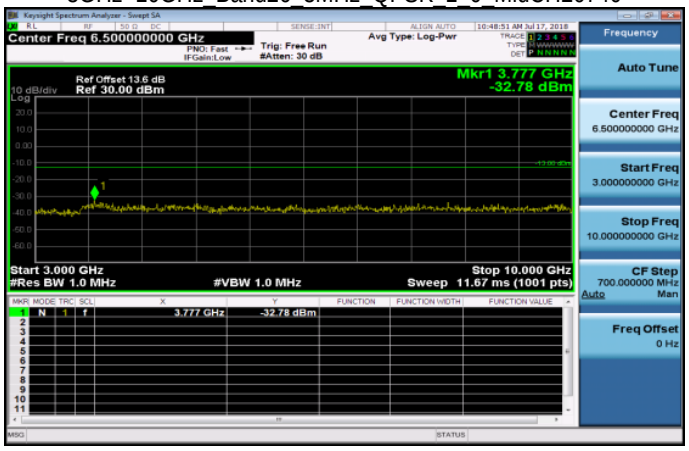
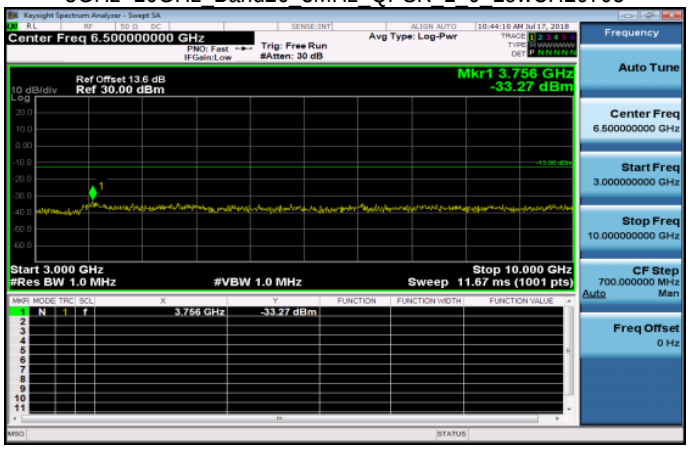
30MHz~3GHz_Band26_3MHz_QPSK_1_0_LowCH26705



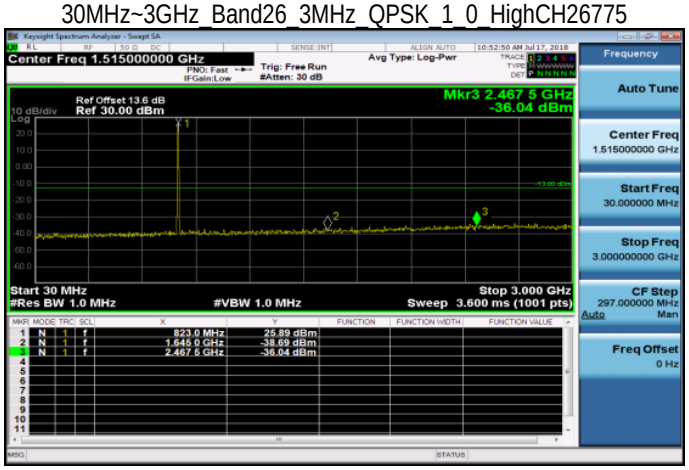
3GHz~10GHz_Band26_3MHz_QPSK_1_0_MidCH26740



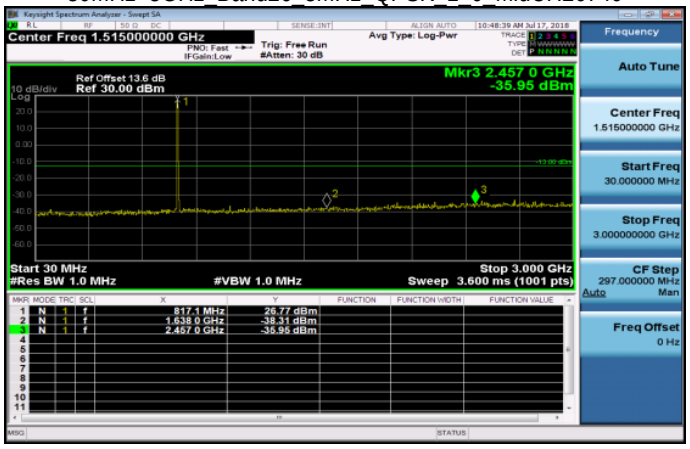
3GHz~10GHz_Band26_3MHz_QPSK_1_0_LowCH26705



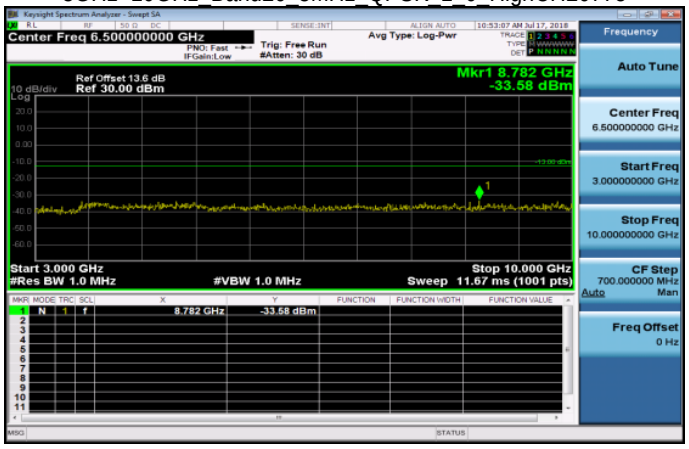
30MHz~3GHz_Band26_3MHz_QPSK_1_0_HighCH26775



30MHz~3GHz_Band26_3MHz_QPSK_1_0_MidCH26740



3GHz~10GHz_Band26_3MHz_QPSK_1_0_HighCH26775



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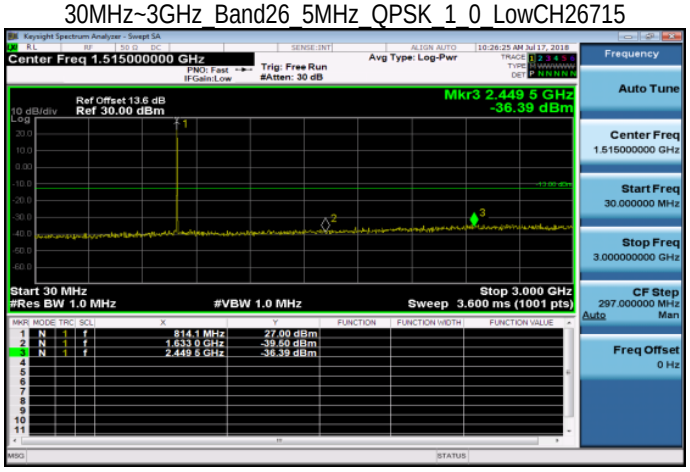
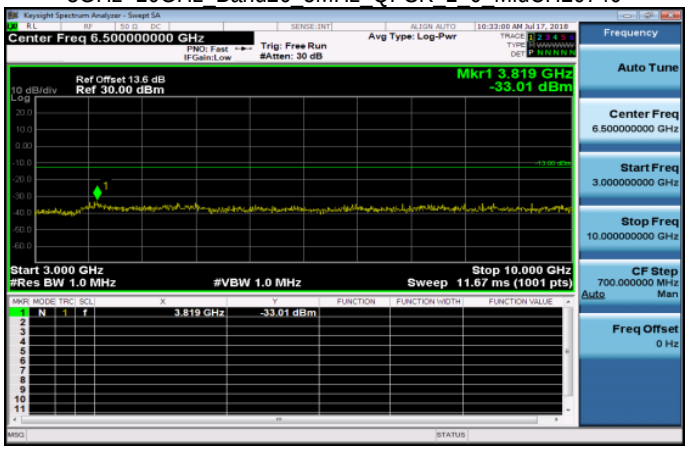
30MHz~3GHz_Band26_5MHz_QPSK_1_0_LowCH26715



3GHz~10GHz_Band26_5MHz_QPSK_1_0_MidCH26740



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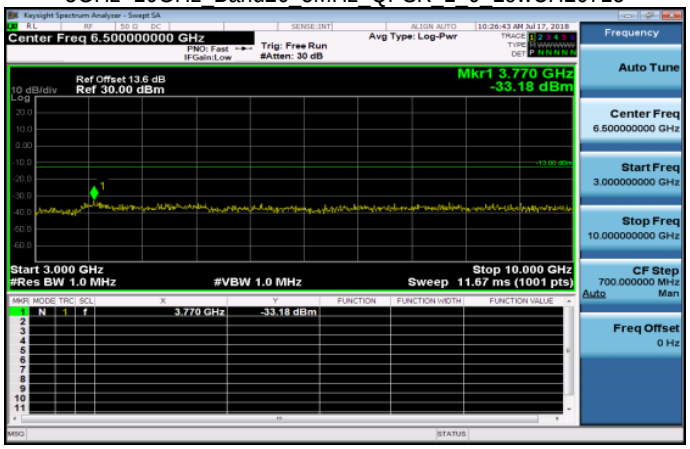

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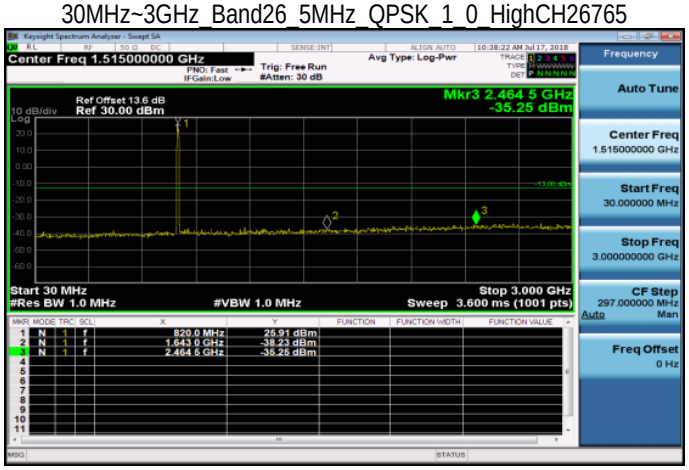

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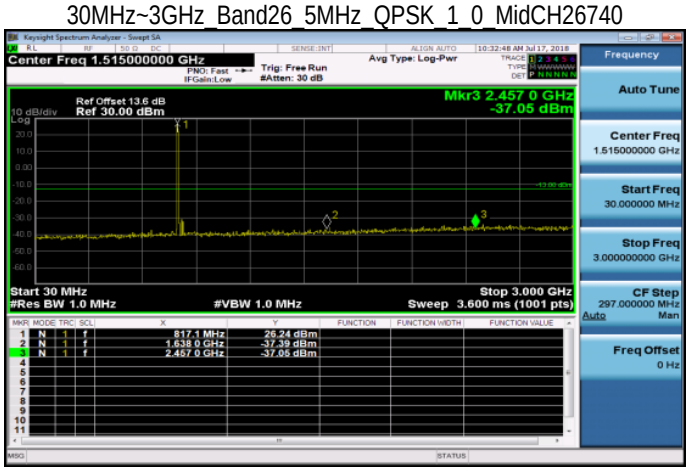
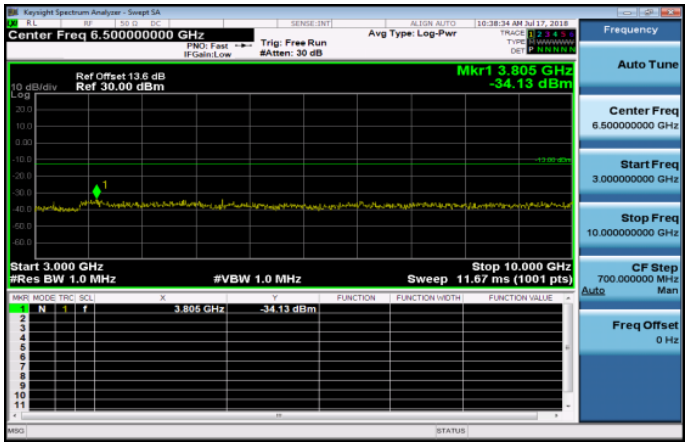


3GHz~10GHz_Band26_5MHz_QPSK_1_0_HighCH26765



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9. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

9.1. Standard Applicable

According to FCC §2.1053,

FCC §22.917(a) , §24.238(a) , §27.53 (h) , the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than 43 + 10 log (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm).

§27.53 (c)
(2) On any frequency outside the 776– 788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB (-13dBm)

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

§27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(c) (5) & FCC §27.53(g)
Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC §27.53(h) (3)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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FCC 27.53(a)(4)

For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;

(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

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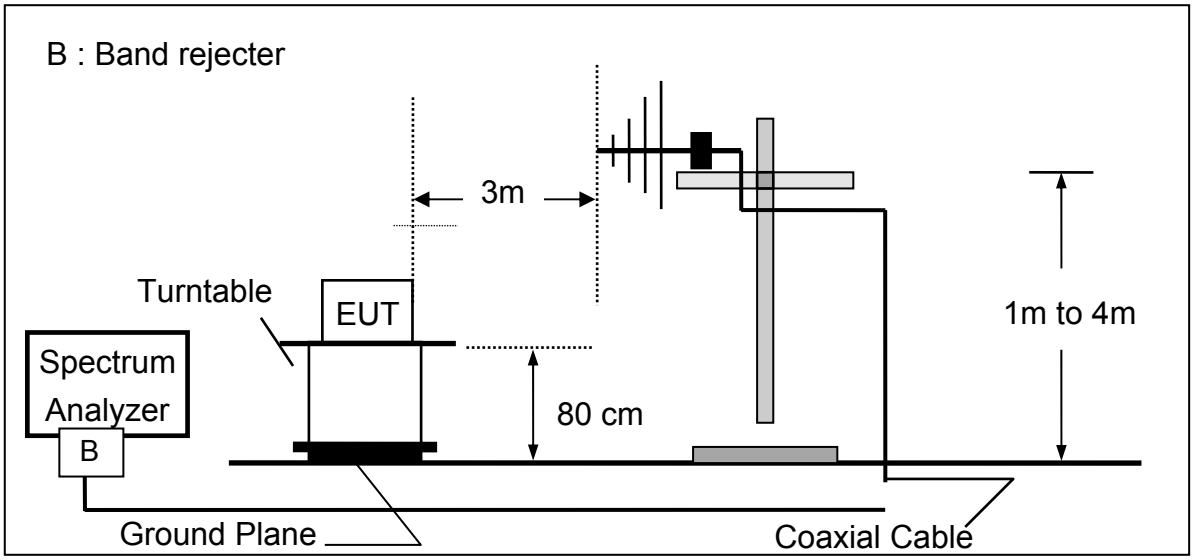
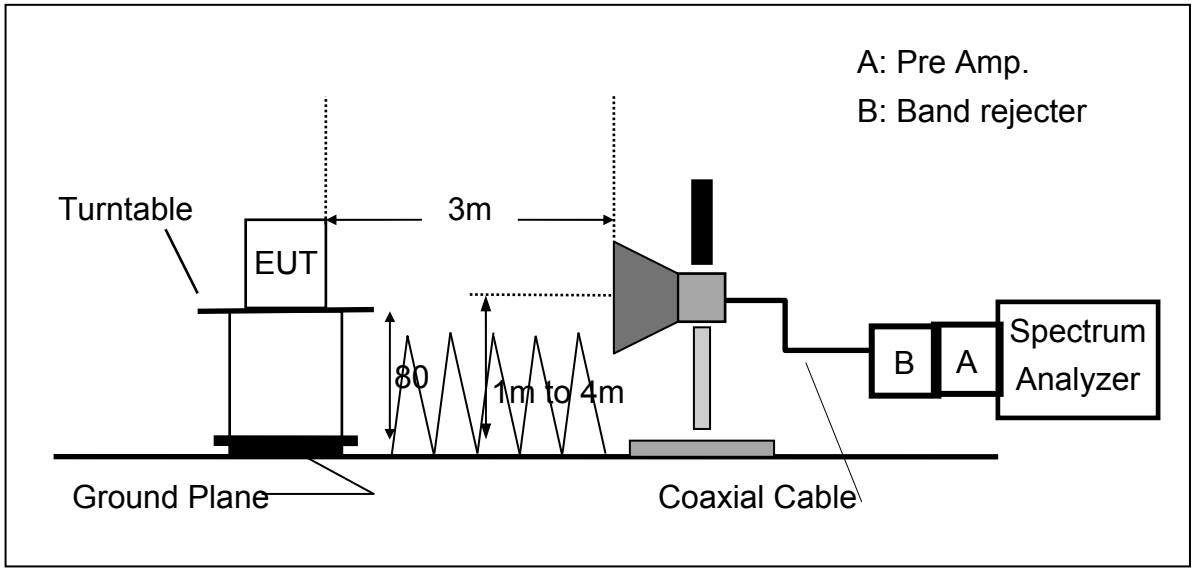
9.2. EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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9.3. Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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9.4. Measurement Equipment Used:

ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT TYPE	**MFR**	**MODEL NUMBER**	**SERIAL NUMBER**	**LAST CAL.**	**CAL DUE.**
Broadband Antenna	SCHWAZBECK	VULB 9168	9168-617	10/27/2017	10/26/2018
Horn Antenna	Schwarzbeck	BBHA9120D	1341	06/07/2018	06/06/2019
Loop Antenna	ETS.LINDGREN	6502	148045	09/26/2017	09/25/2018
3m Site NSA	SGS	966 chamber D	N/A	07/06/2018	07/05/2019
EMI Test Receiver	R&S	ESU 40	100363	04/11/2018	04/10/2019
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2017	10/26/2018
Pre-Amplifier	EMC Instruments	EMC9135	980234	12/26/2017	12/25/2018
Pre-Amplifier	EMC Instruments	EMC12630SE	980271	12/26/2017	12/25/2018
Coaxial Cable	Huber Suhner	EMC106-SM-SM-7200	150703	12/26/2017	12/25/2018
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	12/26/2017	12/25/2018

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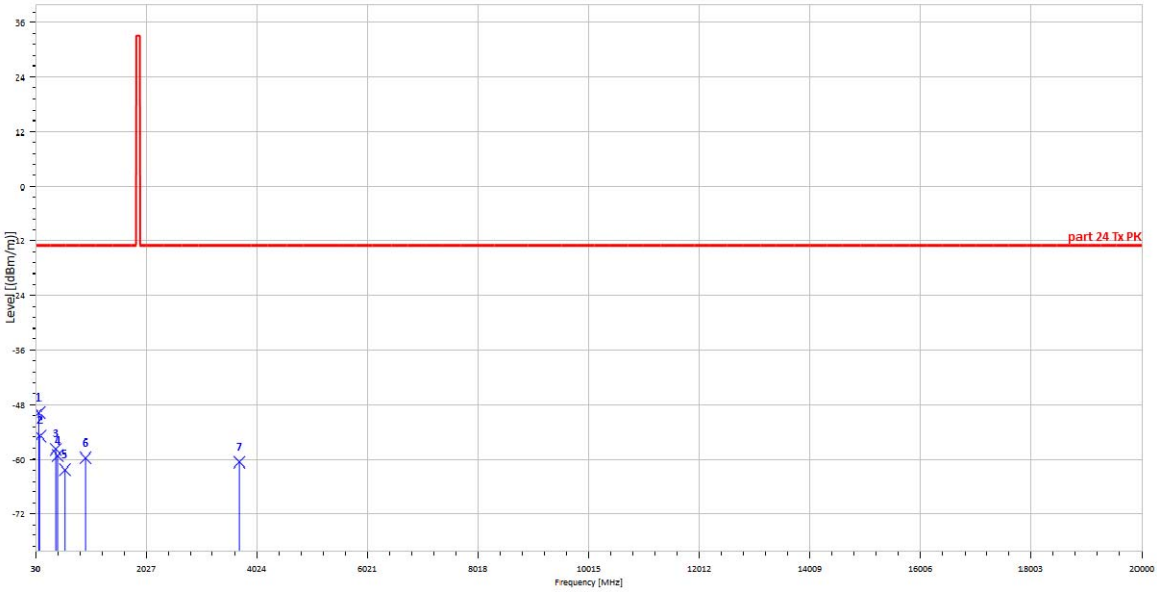
9.5. Measurement Result:

Radiated Spurious Emission Measurement Result: WCDMA Band 2 Mode

Project No.	E2/2018/70058	Fundamental Frequency	1852.4 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B2	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
89.17	S	-49.74	-44.81	-4.40	-0.53	-13.01	-36.73
104.69	S	-54.87	-49.52	-4.78	-0.57	-13.01	-41.86
385.02	S	-57.80	-57.40	0.77	-1.18	-13.01	-44.79
418.97	S	-59.21	-58.64	0.71	-1.28	-13.01	-46.20
553.80	S	-62.33	-61.70	0.71	-1.35	-13.01	-49.32
931.13	S	-59.72	-58.11	0.18	-1.79	-13.01	-46.71
3704.80	H	-60.61	-69.24	12.38	-3.75	-13.01	-47.60

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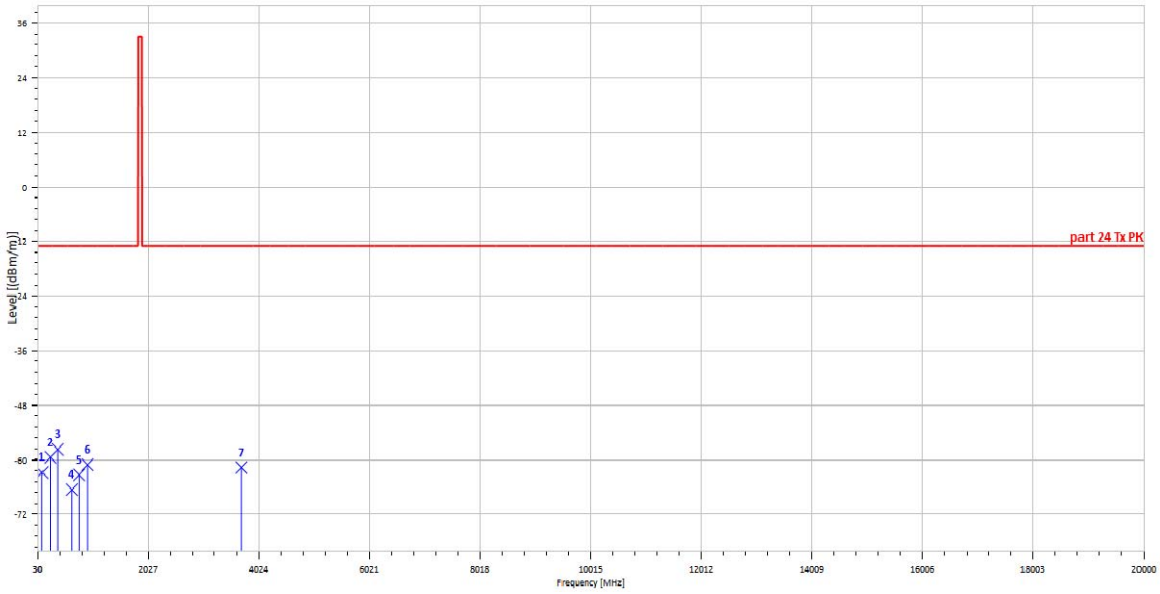
Project No.	E2/2018/70058	Fundamental Frequency	1852.4 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B2	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
105.66	S	-62.81	-57.37	-4.86	-0.57	-13.01	-49.80
250.19	S	-59.45	-59.29	0.78	-0.94	-13.01	-46.44
385.02	S	-57.75	-57.35	0.77	-1.18	-13.01	-44.74
644.01	S	-66.58	-65.41	0.24	-1.41	-13.01	-53.57
776.90	S	-63.33	-61.73	0.03	-1.63	-13.01	-50.32
931.13	S	-61.11	-59.49	0.18	-1.79	-13.01	-48.10
3704.80	H	-61.71	-70.34	12.38	-3.75	-13.01	-48.70

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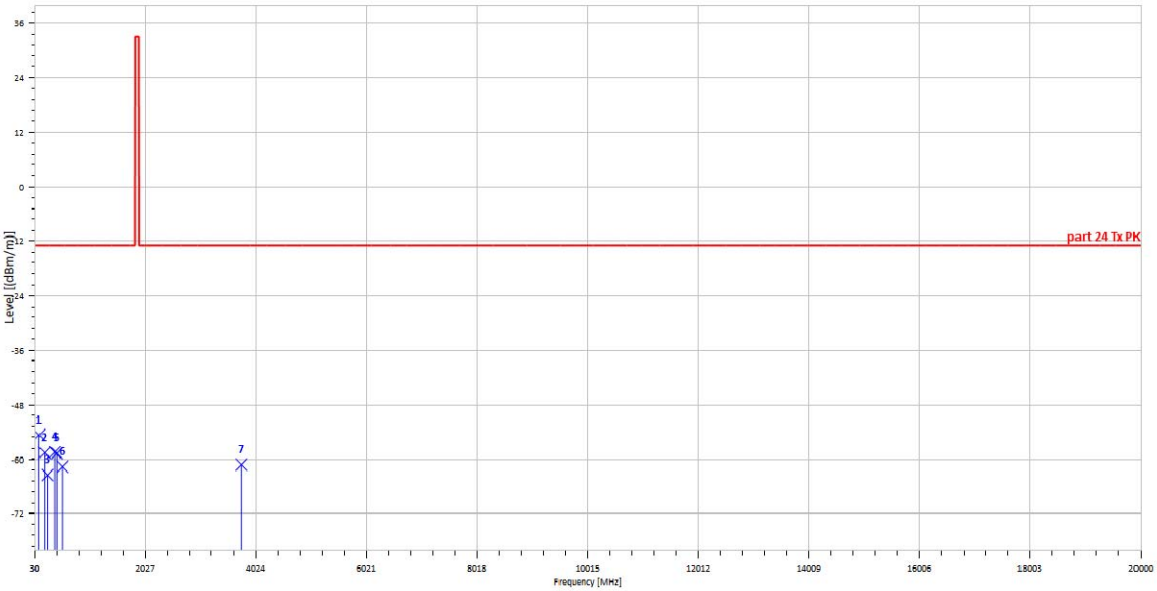
Project No.	E2/2018/70058	Fundamental Frequency	1880 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B2	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
105.66	S	-54.70	-49.27	-4.86	-0.57	-13.01	-41.69
201.69	S	-58.54	-58.38	0.64	-0.80	-13.01	-45.53
252.13	S	-63.52	-63.35	0.77	-0.94	-13.01	-50.51
385.02	S	-58.42	-58.02	0.77	-1.18	-13.01	-45.41
424.79	S	-58.67	-58.11	0.70	-1.26	-13.01	-45.66
526.64	S	-61.67	-61.15	0.79	-1.31	-13.01	-48.66
3760.00	H	-61.21	-69.84	12.40	-3.77	-13.01	-48.20

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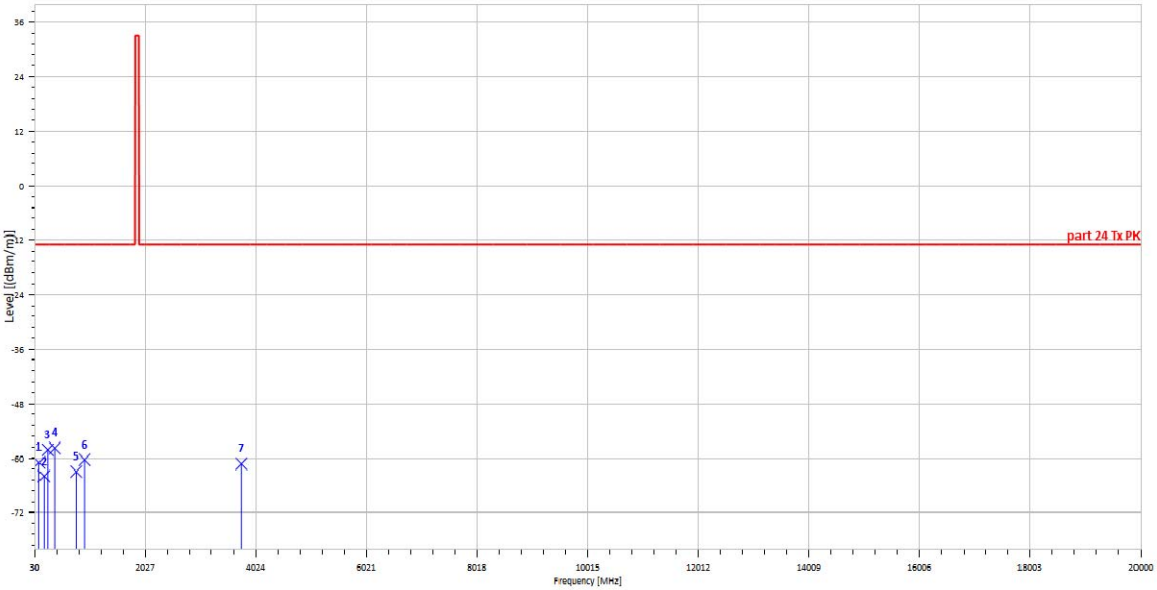
Project No.	E2/2018/70058	Fundamental Frequency	1880 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B2	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
105.66	S	-60.97	-55.53	-4.86	-0.57	-13.01	-47.96
191.99	S	-63.99	-62.99	-0.22	-0.78	-13.01	-50.98
256.98	S	-58.18	-57.99	0.75	-0.94	-13.01	-45.17
385.02	S	-57.81	-57.40	0.77	-1.18	-13.01	-44.80
778.84	S	-62.99	-61.41	0.05	-1.63	-13.01	-49.98
932.10	S	-60.36	-58.74	0.18	-1.80	-13.01	-47.35
3760.00	H	-61.24	-69.87	12.40	-3.77	-13.01	-48.23

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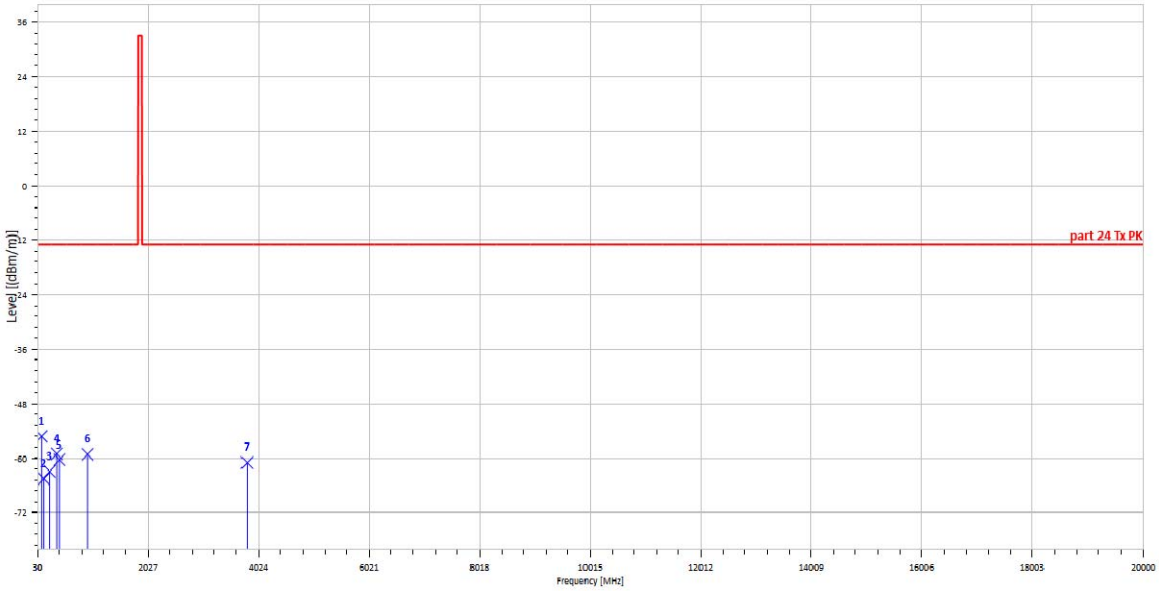
Project No.	E2/2018/70058	Fundamental Frequency	1907.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B2	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
106.63	S	-55.20	-49.67	-4.95	-0.58	-13.01	-42.19
147.37	S	-64.53	-58.31	-5.44	-0.78	-13.01	-51.52
253.10	S	-62.93	-62.75	0.76	-0.94	-13.01	-49.92
385.02	S	-59.06	-58.65	0.77	-1.18	-13.01	-46.05
433.52	S	-60.35	-59.80	0.68	-1.23	-13.01	-47.34
932.10	S	-59.16	-57.54	0.18	-1.80	-13.01	-46.15
3815.20	H	-61.02	-69.64	12.43	-3.81	-13.01	-48.01

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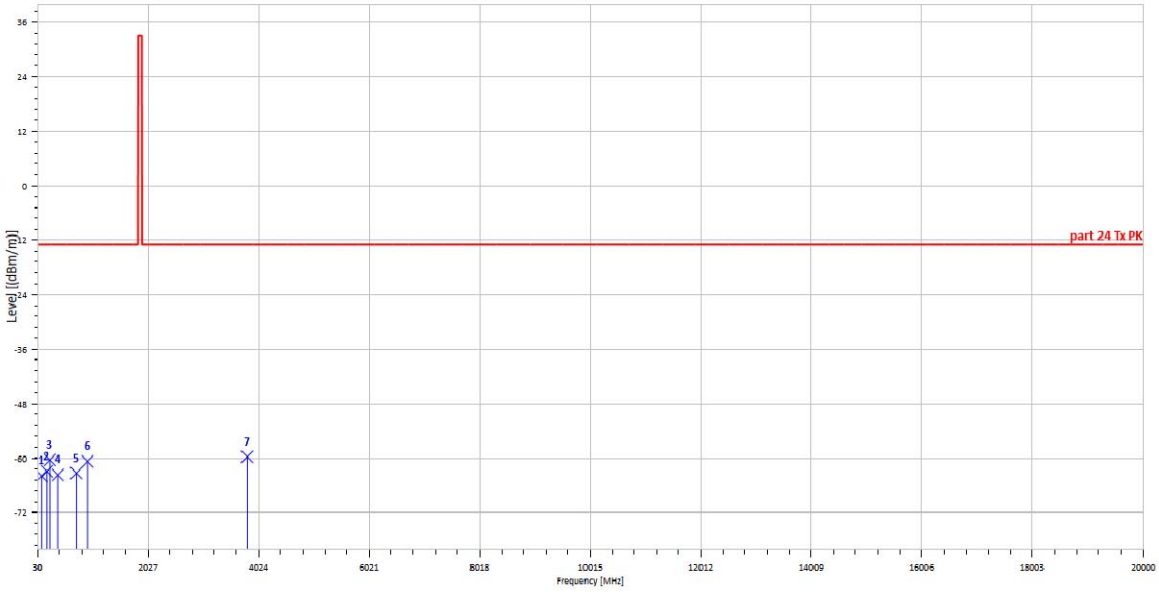
Project No.	E2/2018/70058	Fundamental Frequency	1907.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B2	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
107.60	S	-63.96	-58.34	-5.04	-0.58	-13.01	-50.95
204.60	S	-62.92	-62.87	0.76	-0.81	-13.01	-49.91
257.95	S	-60.39	-60.20	0.74	-0.94	-13.01	-47.38
403.45	S	-63.71	-63.16	0.73	-1.28	-13.01	-50.70
729.37	S	-63.31	-61.92	0.07	-1.45	-13.01	-50.30
931.13	S	-60.75	-59.13	0.18	-1.79	-13.01	-47.74
3815.20	H	-59.71	-68.33	12.43	-3.81	-13.01	-46.70

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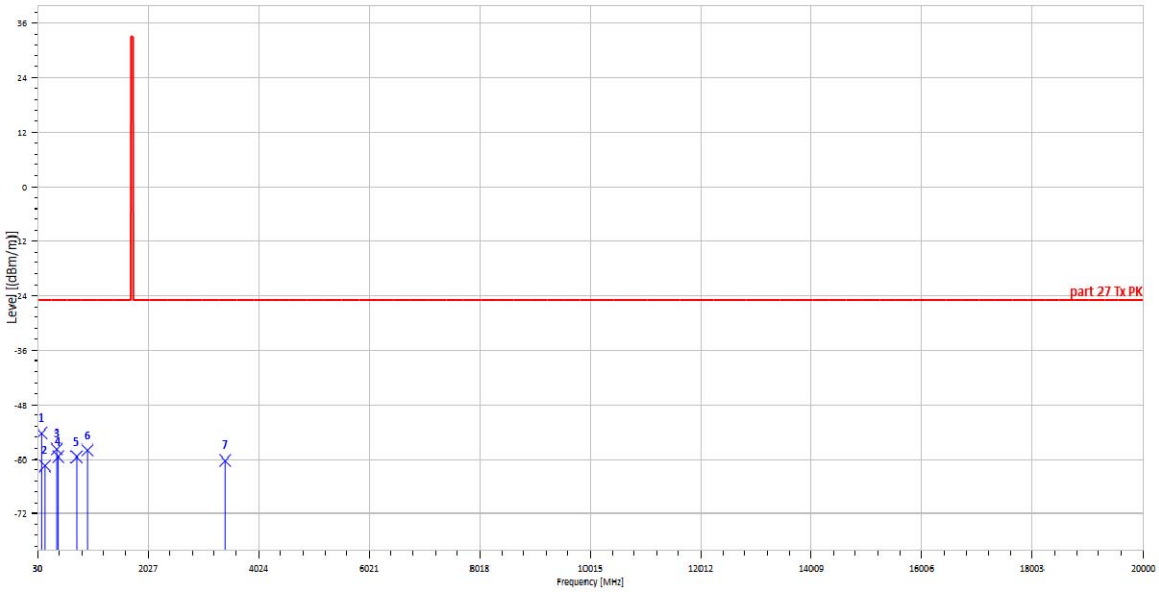
Radiated Spurious Emission Measurement Result: WCDMA Band 4 Mode

Project No.	E2/2018/70058	Fundamental Frequency	1712.4 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B4	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
105.66	S	-54.30	-48.86	-4.86	-0.57	-13.01	-41.29
168.71	S	-61.47	-56.57	-4.15	-0.75	-13.01	-48.46
385.02	S	-57.83	-57.42	0.77	-1.18	-13.01	-44.82
412.18	S	-59.45	-58.87	0.72	-1.30	-13.01	-46.44
735.19	S	-59.50	-58.04	-0.01	-1.45	-13.01	-46.49
931.13	S	-58.08	-56.46	0.18	-1.79	-13.01	-45.07
3424.80	H	-60.33	-68.92	12.15	-3.57	-13.01	-47.32

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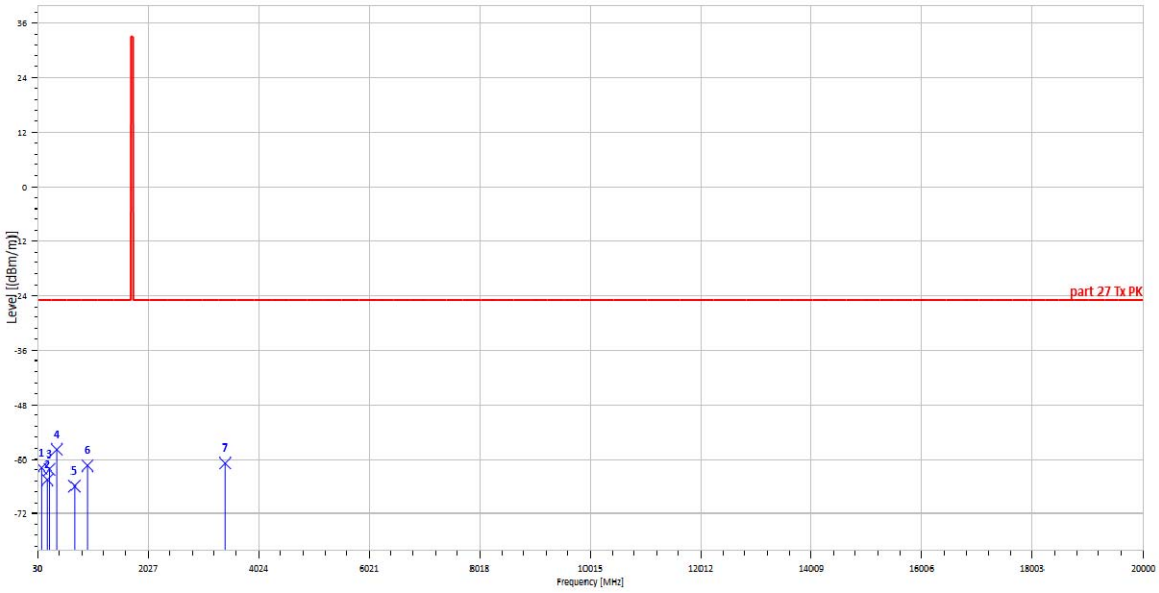
Project No.	E2/2018/70058	Fundamental Frequency	1712.4 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B4	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
105.66	S	-61.97	-56.53	-4.86	-0.57	-13.01	-48.96
210.42	S	-64.55	-64.73	1.01	-0.83	-13.01	-51.54
250.19	S	-62.23	-62.07	0.78	-0.94	-13.01	-49.22
385.02	S	-57.88	-57.48	0.77	-1.18	-13.01	-44.87
698.33	S	-65.97	-64.89	0.46	-1.54	-13.01	-52.96
931.13	S	-61.42	-59.80	0.18	-1.79	-13.01	-48.41
3424.80	H	-60.90	-69.48	12.15	-3.57	-13.01	-47.89

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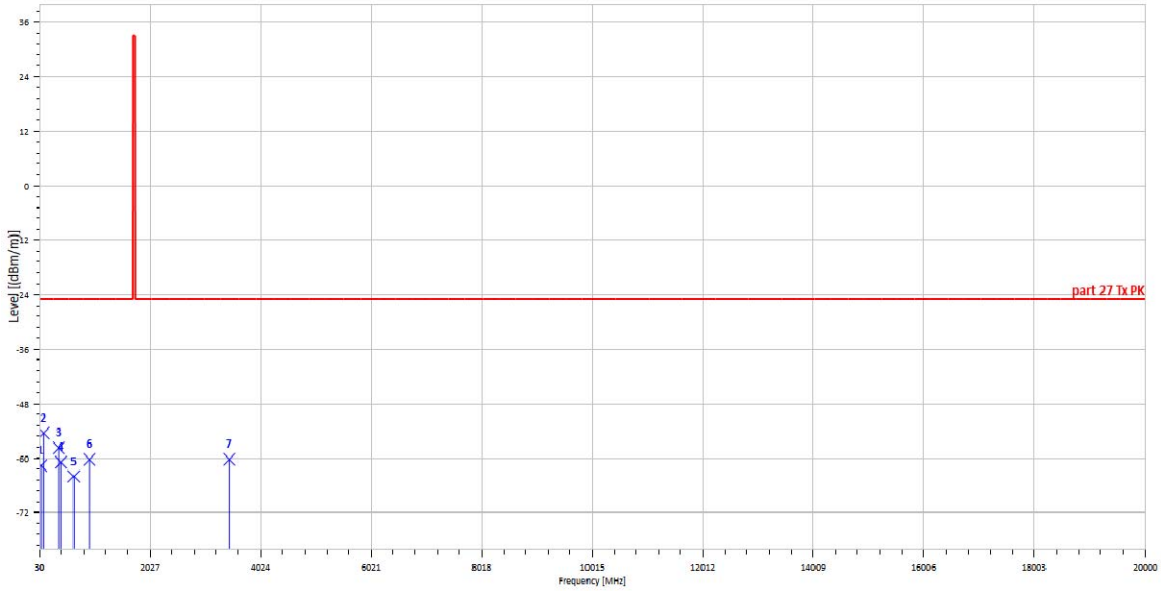
Project No.	E2/2018/70058	Fundamental Frequency	1732.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B4	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
63.95	S	-61.64	-49.16	-11.99	-0.48	-13.01	-48.63
107.60	S	-54.48	-48.87	-5.04	-0.58	-13.01	-41.47
385.02	S	-57.77	-57.37	0.77	-1.18	-13.01	-44.76
423.82	S	-60.91	-60.35	0.70	-1.26	-13.01	-47.90
650.80	S	-64.04	-62.85	0.25	-1.45	-13.01	-51.03
931.13	S	-60.31	-58.69	0.18	-1.79	-13.01	-47.30
3465.20	H	-60.27	-68.92	12.23	-3.58	-13.01	-47.26

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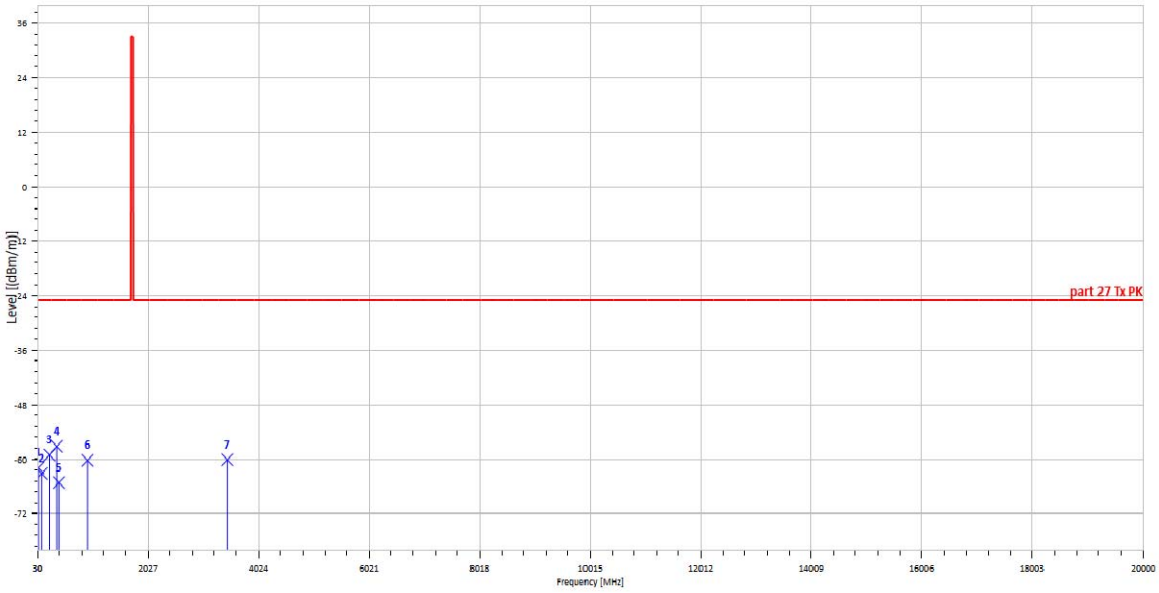
Project No.	E2/2018/70058	Fundamental Frequency	1732.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B4	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
48.43	S	-61.90	-45.85	-15.63	-0.42	-13.01	-48.89
107.60	S	-63.19	-57.58	-5.04	-0.58	-13.01	-50.18
250.19	S	-59.08	-58.92	0.78	-0.94	-13.01	-46.07
385.02	S	-57.20	-56.80	0.77	-1.18	-13.01	-44.19
424.79	S	-65.16	-64.60	0.70	-1.26	-13.01	-52.15
931.13	S	-60.29	-58.68	0.18	-1.79	-13.01	-47.28
3465.20	H	-60.13	-68.78	12.23	-3.58	-13.01	-47.12

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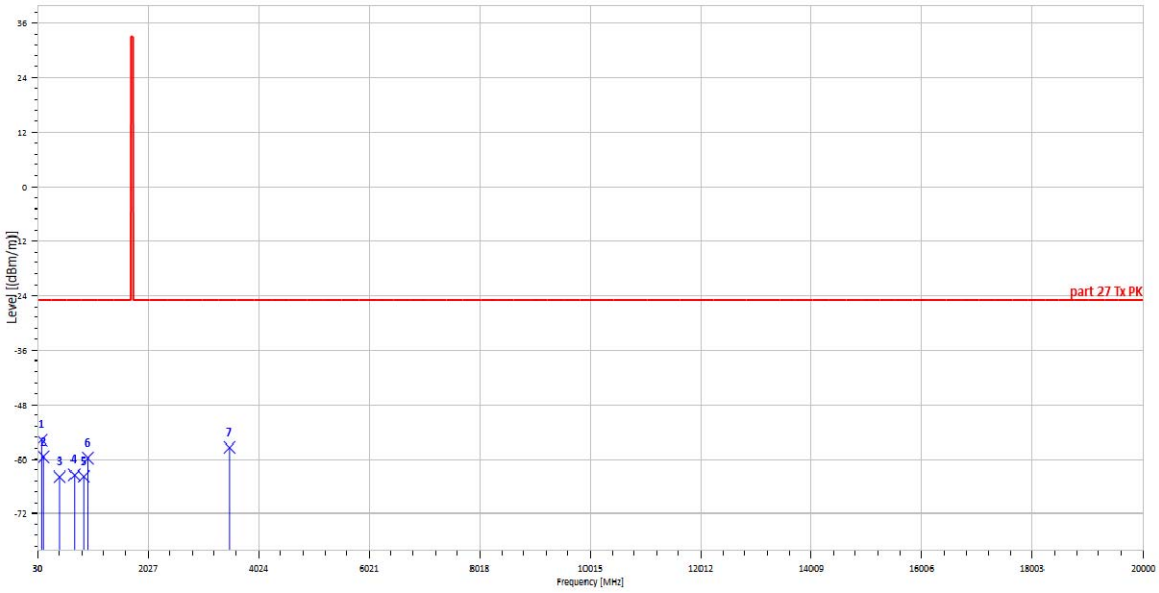
Project No.	E2/2018/70058	Fundamental Frequency	1752.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B4	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
106.63	S	-55.78	-50.26	-4.95	-0.58	-13.01	-42.77
140.58	S	-59.50	-53.25	-5.49	-0.77	-13.01	-46.49
436.43	S	-63.93	-63.39	0.67	-1.22	-13.01	-50.92
696.39	S	-63.51	-62.43	0.46	-1.53	-13.01	-50.50
863.23	S	-63.83	-62.33	0.20	-1.71	-13.01	-50.82
938.89	S	-59.80	-58.15	0.16	-1.81	-13.01	-46.79
3505.20	H	-57.46	-66.14	12.30	-3.62	-13.01	-44.45

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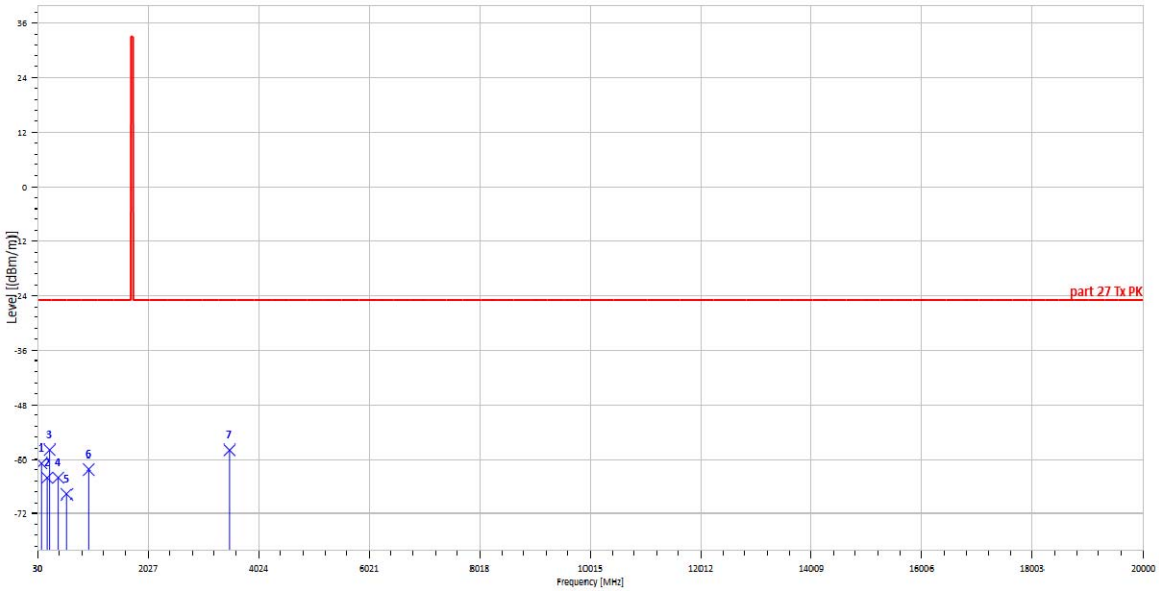
Project No.	E2/2018/70058	Fundamental Frequency	1752.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B4	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
104.69	S	-60.91	-55.57	-4.78	-0.57	-13.01	-47.90
208.48	S	-64.11	-64.21	0.93	-0.82	-13.01	-51.10
253.10	S	-57.98	-57.80	0.76	-0.94	-13.01	-44.97
411.21	S	-64.08	-63.51	0.72	-1.30	-13.01	-51.07
562.53	S	-67.69	-66.90	0.61	-1.40	-13.01	-54.68
954.41	S	-62.29	-60.60	0.17	-1.87	-13.01	-49.28
3505.20	H	-58.04	-66.72	12.30	-3.62	-13.01	-45.03

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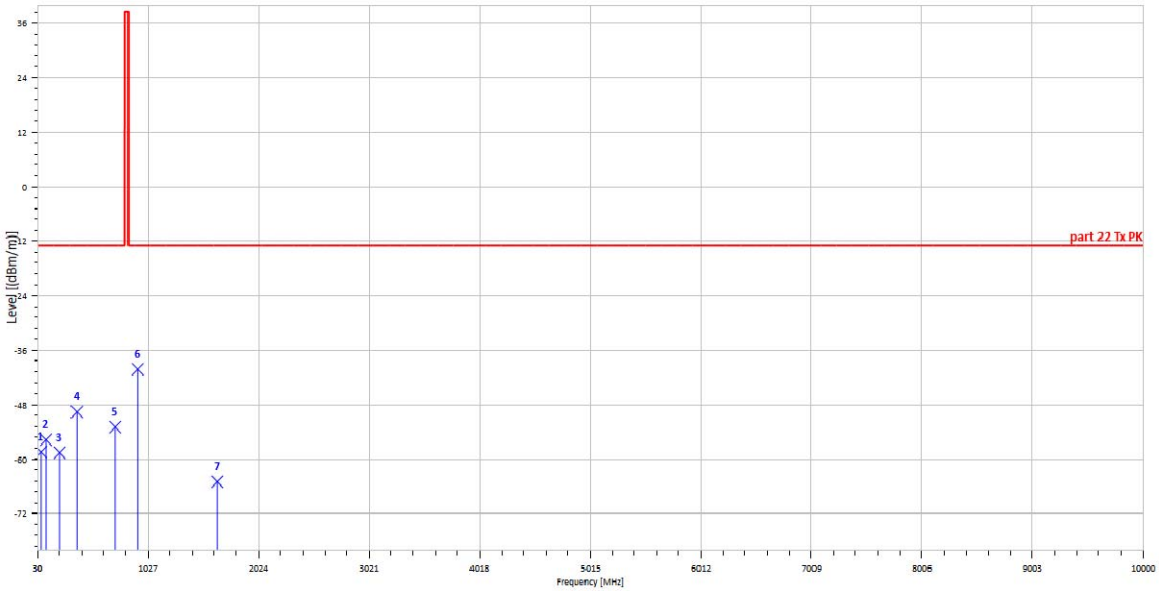
Radiated Spurious Emission Measurement Result: WCDMA Band 5 Mode

Project No.	E2/2018/70058	Fundamental Frequency	826.4 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B5	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
63.95	S	-58.45	-43.82	-14.14	-0.48	-13.01	-45.44
108.57	S	-55.74	-47.88	-7.27	-0.58	-13.01	-42.73
232.73	S	-58.58	-56.82	-0.85	-0.91	-13.01	-45.57
385.02	S	-49.60	-47.04	-1.38	-1.18	-13.01	-36.59
734.22	S	-52.93	-49.33	-2.15	-1.45	-13.01	-39.92
932.10	S	-40.22	-36.46	-1.97	-1.80	-13.01	-27.21
1652.80	H	-64.97	-69.37	6.84	-2.44	-13.01	-51.96

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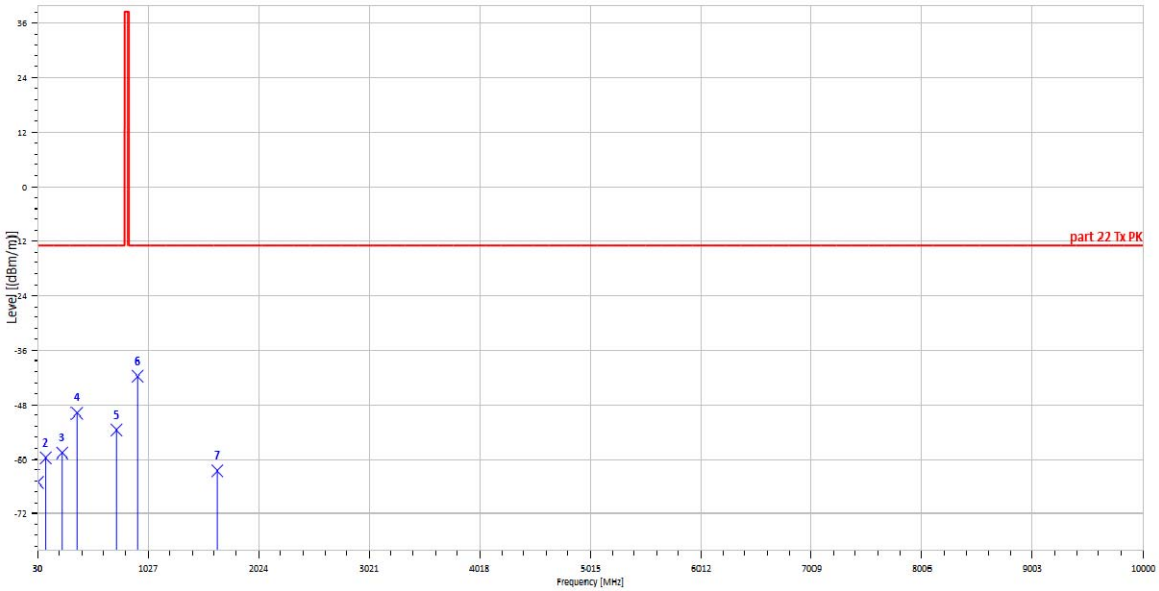
Project No.	E2/2018/70058	Fundamental Frequency	826.4 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B5	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
33.88	S	-65.08	-44.78	-19.99	-0.32	-13.01	-52.07
105.66	S	-59.73	-52.14	-7.01	-0.57	-13.01	-46.72
256.98	S	-58.62	-56.27	-1.41	-0.94	-13.01	-45.61
385.02	S	-49.87	-47.31	-1.38	-1.18	-13.01	-36.86
745.86	S	-53.59	-49.79	-2.31	-1.49	-13.01	-40.58
931.13	S	-41.77	-38.01	-1.97	-1.79	-13.01	-28.76
1652.80	H	-62.58	-66.98	6.84	-2.44	-13.01	-49.57

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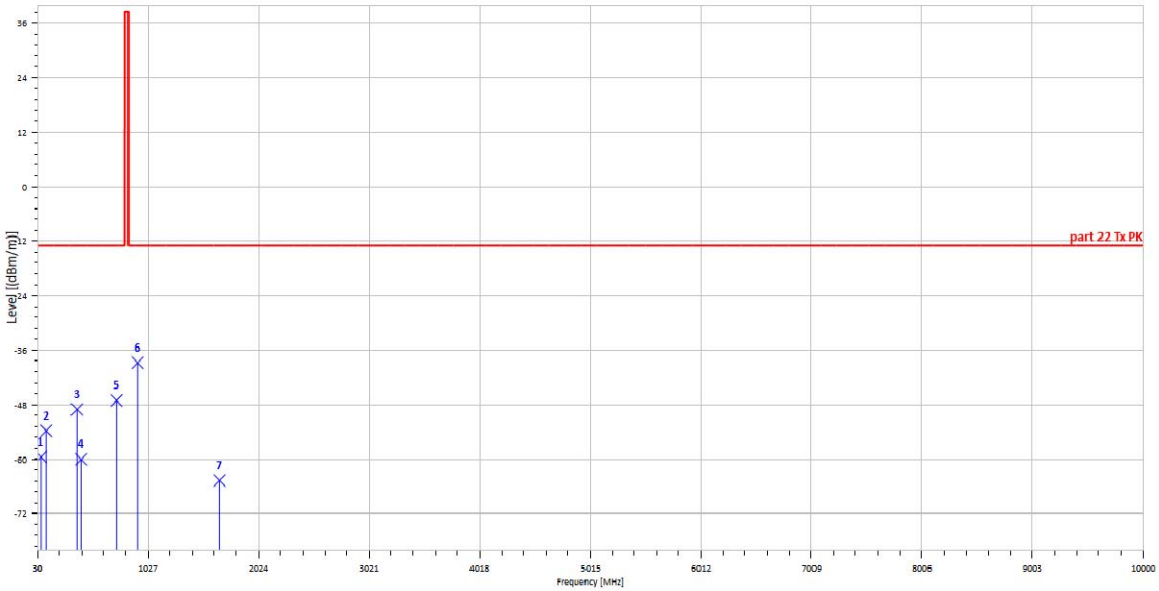
Project No.	E2/2018/70058	Fundamental Frequency	836.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B5	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
63.95	S	-59.52	-44.90	-14.14	-0.48	-13.01	-46.51
110.51	S	-53.76	-45.74	-7.42	-0.59	-13.01	-40.75
385.02	S	-49.07	-46.52	-1.38	-1.18	-13.01	-36.06
421.88	S	-60.07	-57.35	-1.45	-1.27	-13.01	-47.06
746.83	S	-47.08	-43.26	-2.32	-1.49	-13.01	-34.07
931.13	S	-38.79	-35.02	-1.97	-1.79	-13.01	-25.78
1673.20	H	-64.69	-69.14	6.90	-2.45	-13.01	-51.68

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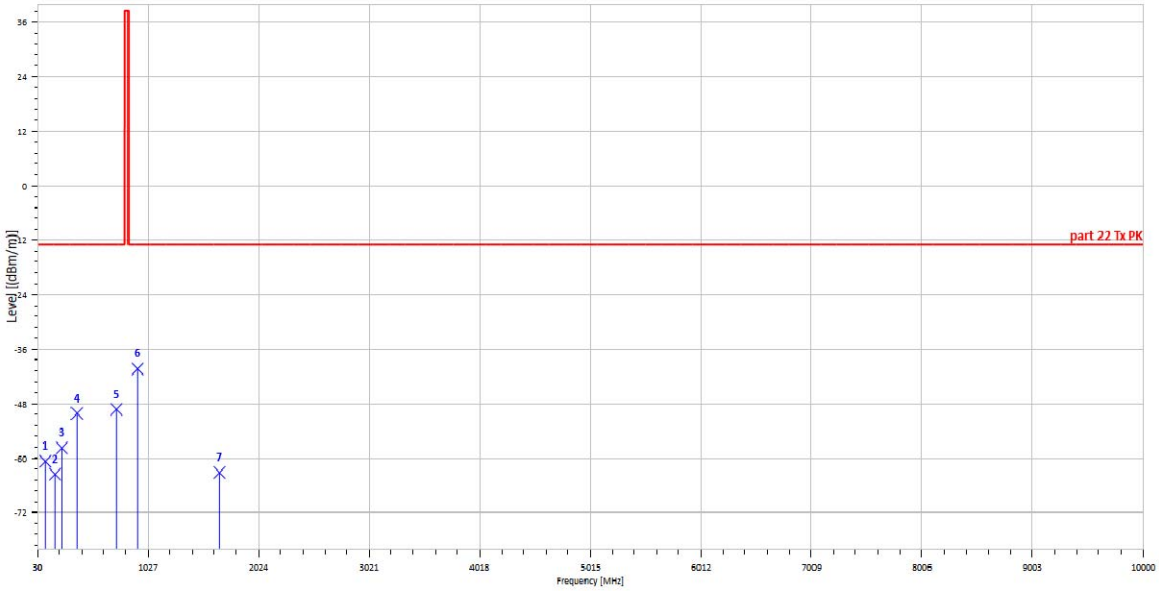
Project No.	E2/2018/70058	Fundamental Frequency	836.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B5	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
102.75	S	-60.72	-53.40	-6.76	-0.57	-13.01	-47.71
191.02	S	-63.55	-60.30	-2.47	-0.77	-13.01	-50.54
254.07	S	-57.78	-55.45	-1.39	-0.94	-13.01	-44.77
385.02	S	-50.13	-47.58	-1.38	-1.18	-13.01	-37.12
745.86	S	-49.24	-45.44	-2.31	-1.49	-13.01	-36.23
931.13	S	-40.34	-36.58	-1.97	-1.79	-13.01	-27.33
1673.20	H	-63.19	-67.64	6.90	-2.45	-13.01	-50.18

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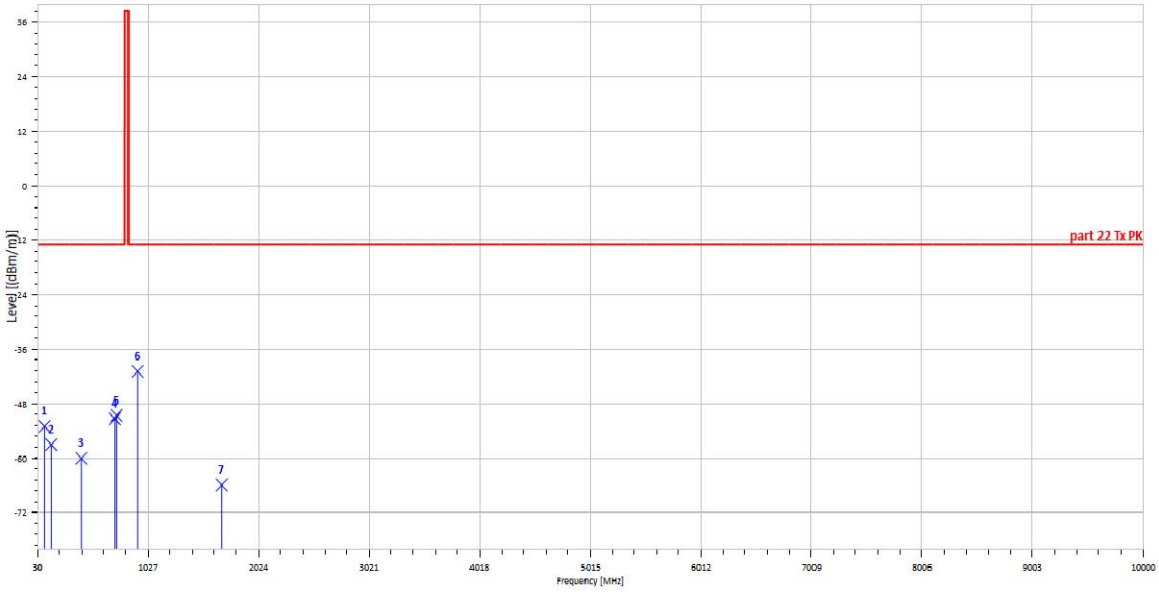
Project No.	E2/2018/70058	Fundamental Frequency	846.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B5	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
94.99	S	-53.02	-46.05	-6.42	-0.54	-13.01	-40.01
156.10	S	-57.04	-48.93	-7.34	-0.76	-13.01	-44.03
423.82	S	-60.07	-57.35	-1.45	-1.26	-13.01	-47.06
731.31	S	-51.38	-47.83	-2.11	-1.45	-13.01	-38.37
746.83	S	-50.60	-46.78	-2.32	-1.49	-13.01	-37.59
931.13	S	-40.90	-37.13	-1.97	-1.79	-13.01	-27.89
1693.20	H	-65.94	-70.42	6.97	-2.49	-13.01	-52.93

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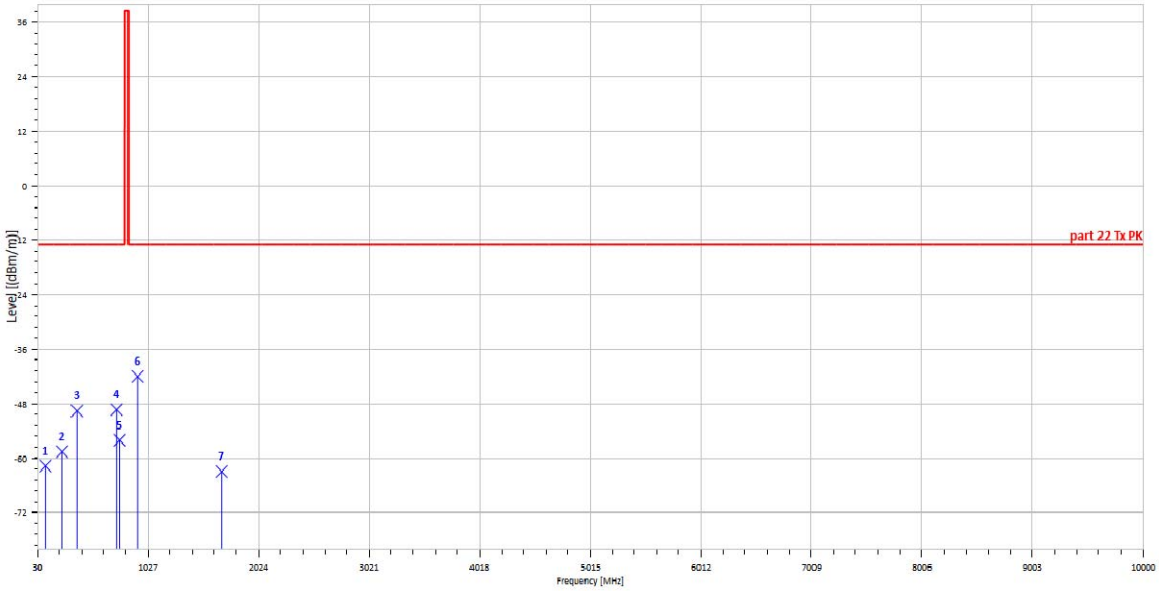
Project No.	E2/2018/70058	Fundamental Frequency	846.6 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	WCDMA B5	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
103.72	S	-61.71	-54.30	-6.84	-0.57	-13.01	-48.70
255.04	S	-58.58	-56.24	-1.40	-0.94	-13.01	-45.57
385.02	S	-49.60	-47.05	-1.38	-1.18	-13.01	-36.59
746.83	S	-49.33	-45.51	-2.32	-1.49	-13.01	-36.32
774.96	S	-56.05	-52.28	-2.13	-1.64	-13.01	-43.04
931.13	S	-42.04	-38.28	-1.97	-1.79	-13.01	-29.03
1693.20	H	-62.96	-67.44	6.97	-2.49	-13.01	-49.95

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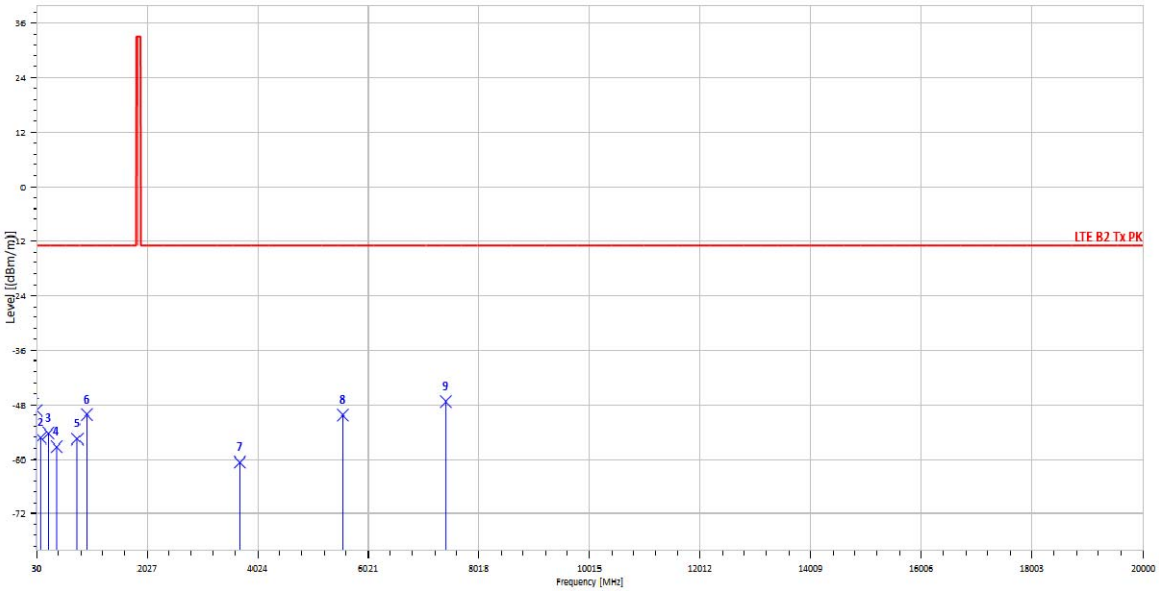
Radiated Spurious Emission Measurement Result: LTE-Band 2 (The Worst Case)

Project No.	E2/2018/70058	Fundamental Frequency	1855 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB2 10M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
32.91	S	-49.26	-30.94	-18.00	-0.31	-13.00	-36.26
105.66	S	-55.32	-49.88	-4.86	-0.57	-13.00	-42.32
249.22	S	-54.28	-54.12	0.77	-0.94	-13.00	-41.28
400.54	S	-57.31	-56.76	0.73	-1.28	-13.00	-44.31
772.05	S	-55.54	-53.90	-0.01	-1.63	-13.00	-42.54
937.92	S	-50.17	-48.53	0.16	-1.81	-13.00	-37.17
3710.00	H	-60.72	-69.34	12.38	-3.76	-13.00	-47.72
5565.00	H	-50.30	-58.46	12.83	-4.66	-13.00	-37.30
7420.00	H	-47.33	-52.85	11.00	-5.48	-13.00	-34.33

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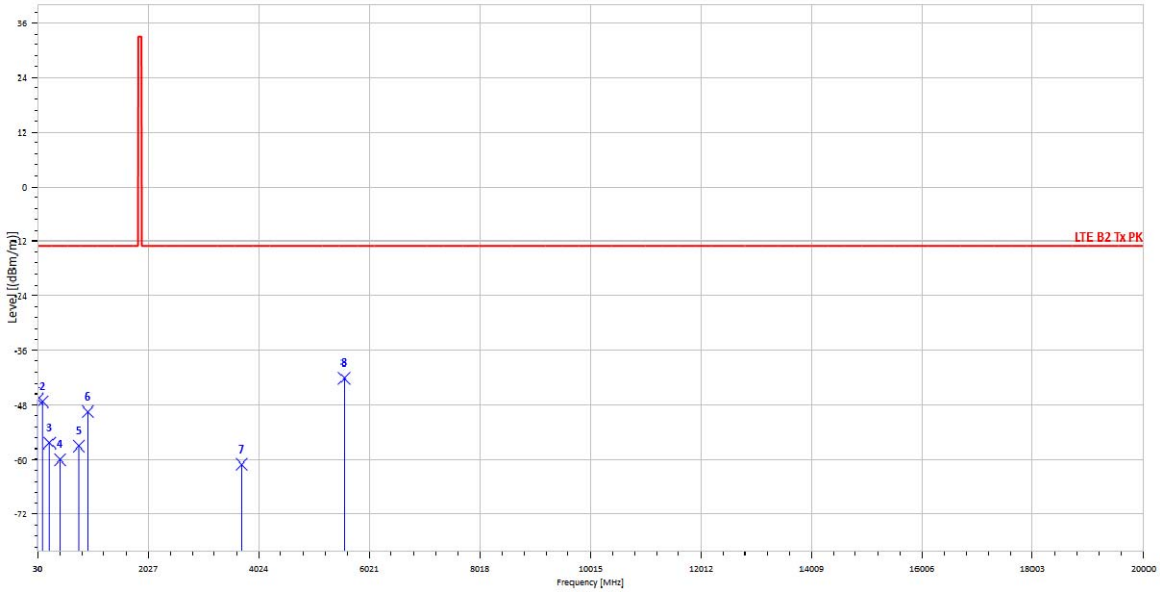
Project No.	E2/2018/70058	Fundamental Frequency	1855 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB2 10M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
32.91	S	-46.73	-28.42	-18.00	-0.31	-13.00	-33.73
123.12	S	-47.25	-40.97	-5.63	-0.65	-13.00	-34.25
245.34	S	-56.31	-56.11	0.73	-0.93	-13.00	-43.31
427.70	S	-60.01	-59.45	0.69	-1.25	-13.00	-47.01
772.05	S	-57.01	-55.37	-0.01	-1.63	-13.00	-44.01
937.92	S	-49.49	-47.84	0.16	-1.81	-13.00	-36.49
3710.00	H	-61.05	-69.67	12.38	-3.76	-13.00	-48.05
5565.00	H	-42.12	-50.29	12.83	-4.66	-13.00	-29.12

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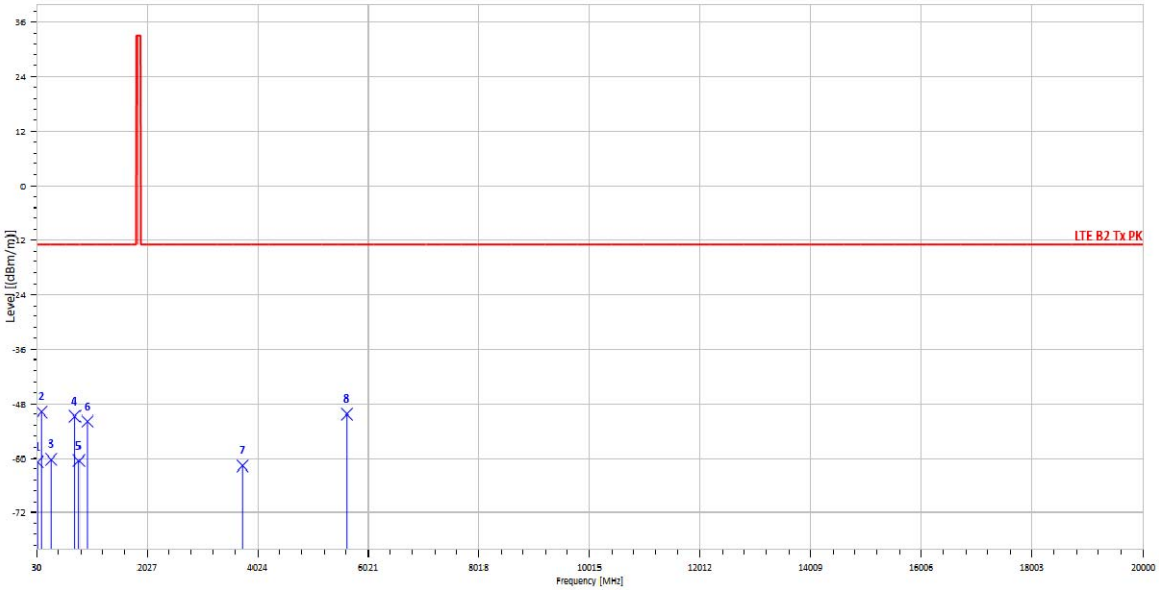
Project No.	E2/2018/70058	Fundamental Frequency	1880 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB2 10M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
51.34	S	-60.85	-45.31	-15.10	-0.44	-13.00	-47.85
123.12	S	-49.84	-43.56	-5.63	-0.65	-13.00	-36.84
299.66	S	-60.30	-59.83	0.54	-1.02	-13.00	-47.30
729.37	S	-50.80	-49.41	0.07	-1.45	-13.00	-37.80
799.21	S	-60.58	-59.21	0.23	-1.60	-13.00	-47.58
948.51	S	-51.94	-50.24	0.14	-1.85	-13.00	-38.94
3760.00	H	-61.67	-70.31	12.40	-3.77	-13.00	-48.67
5640.00	H	-50.31	-58.50	12.86	-4.67	-13.00	-37.31

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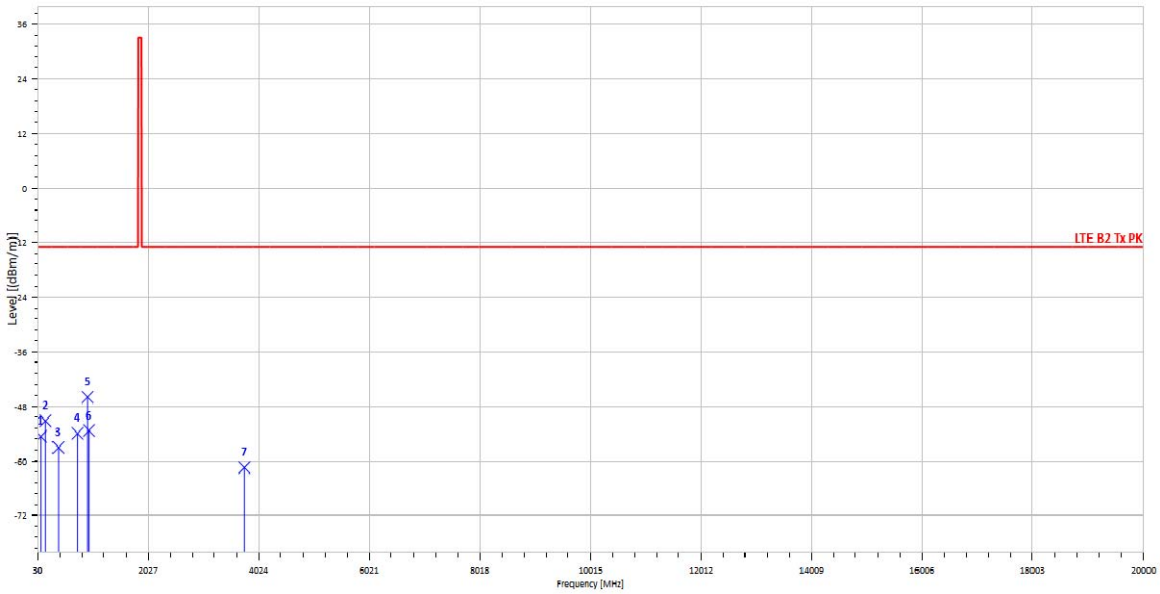
Project No.	E2/2018/70058	Fundamental Frequency	1880 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB2 10M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
93.05	S	-54.64	-49.86	-4.24	-0.54	-13.00	-41.64
175.50	S	-51.20	-47.36	-3.09	-0.75	-13.00	-38.20
399.57	S	-57.07	-56.52	0.73	-1.28	-13.00	-44.07
746.83	S	-53.95	-52.28	-0.18	-1.49	-13.00	-40.95
932.10	S	-45.96	-44.34	0.18	-1.80	-13.00	-32.96
958.29	S	-53.31	-51.64	0.20	-1.87	-13.00	-40.31
3760.00	H	-61.44	-70.07	12.40	-3.77	-13.00	-48.44

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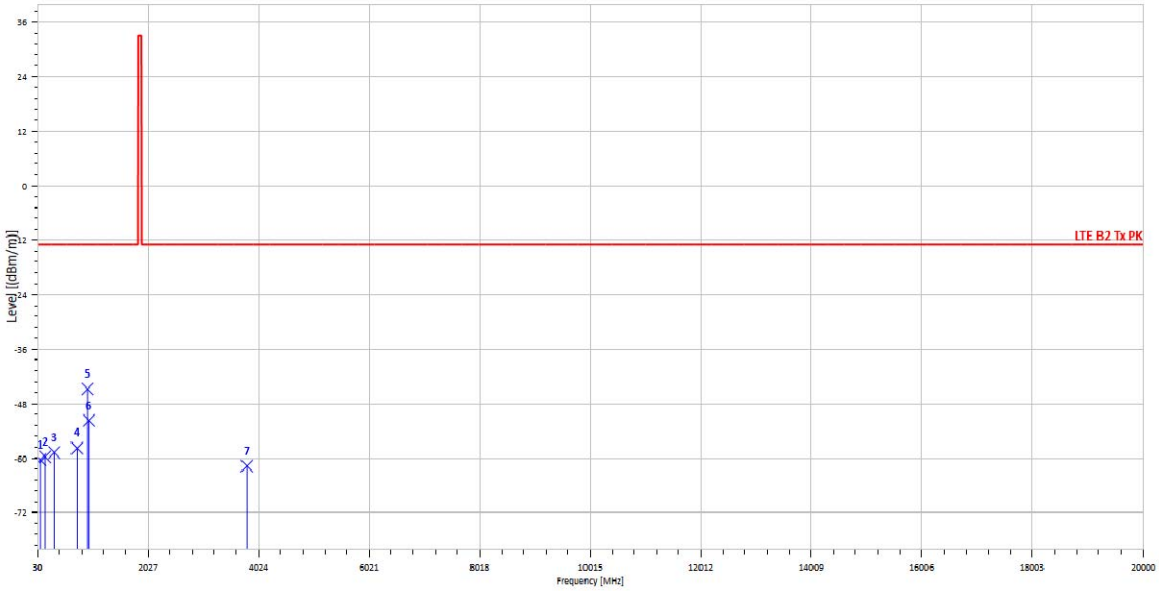
Project No.	E2/2018/70058	Fundamental Frequency	1905 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB2 10M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
84.32	S	-60.36	-54.19	-5.66	-0.52	-13.00	-47.36
171.62	S	-59.72	-55.22	-3.75	-0.75	-13.00	-46.72
337.49	S	-58.76	-58.42	0.77	-1.11	-13.00	-45.76
743.92	S	-57.83	-56.21	-0.13	-1.48	-13.00	-44.83
932.10	S	-44.80	-43.18	0.18	-1.80	-13.00	-31.80
958.29	S	-51.73	-50.06	0.20	-1.87	-13.00	-38.73
3810.00	H	-61.73	-70.34	12.42	-3.81	-13.00	-48.73

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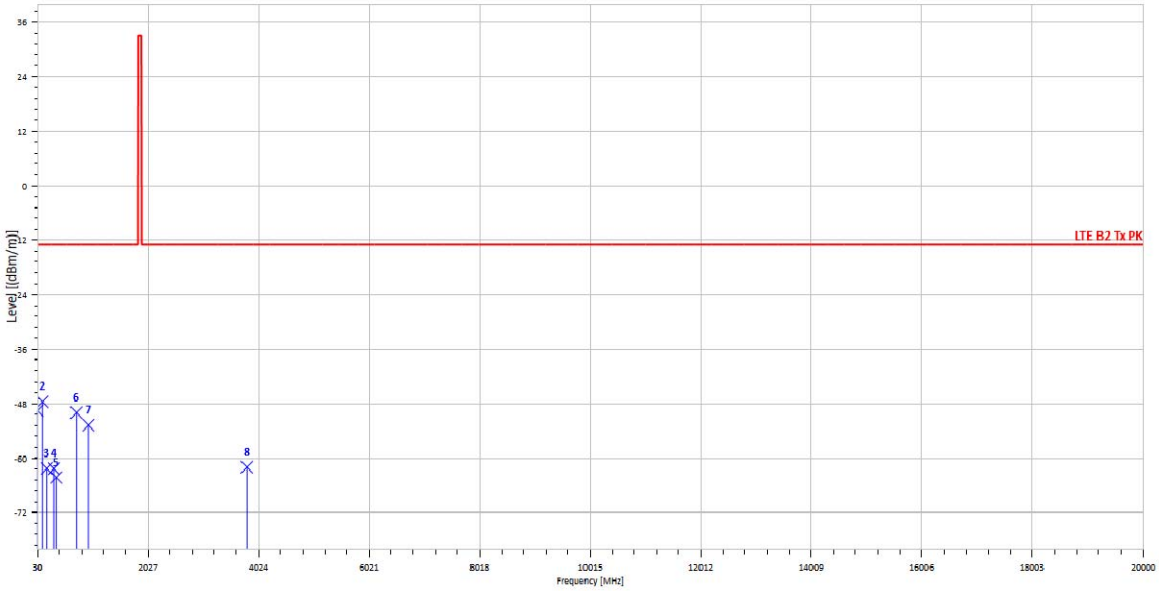
Project No.	E2/2018/70058	Fundamental Frequency	1905 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB2 10M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
32.91	S	-49.55	-31.24	-18.00	-0.31	-13.00	-36.55
123.12	S	-47.59	-41.31	-5.63	-0.65	-13.00	-34.59
200.72	S	-62.27	-62.07	0.60	-0.80	-13.00	-49.27
330.70	S	-62.32	-61.93	0.73	-1.12	-13.00	-49.32
376.29	S	-64.27	-63.95	0.79	-1.12	-13.00	-51.27
731.31	S	-49.97	-48.57	0.04	-1.45	-13.00	-36.97
948.59	S	-52.74	-51.03	0.14	-1.85	-13.00	-39.74
3810.00	H	-61.97	-70.58	12.42	-3.81	-13.00	-48.97

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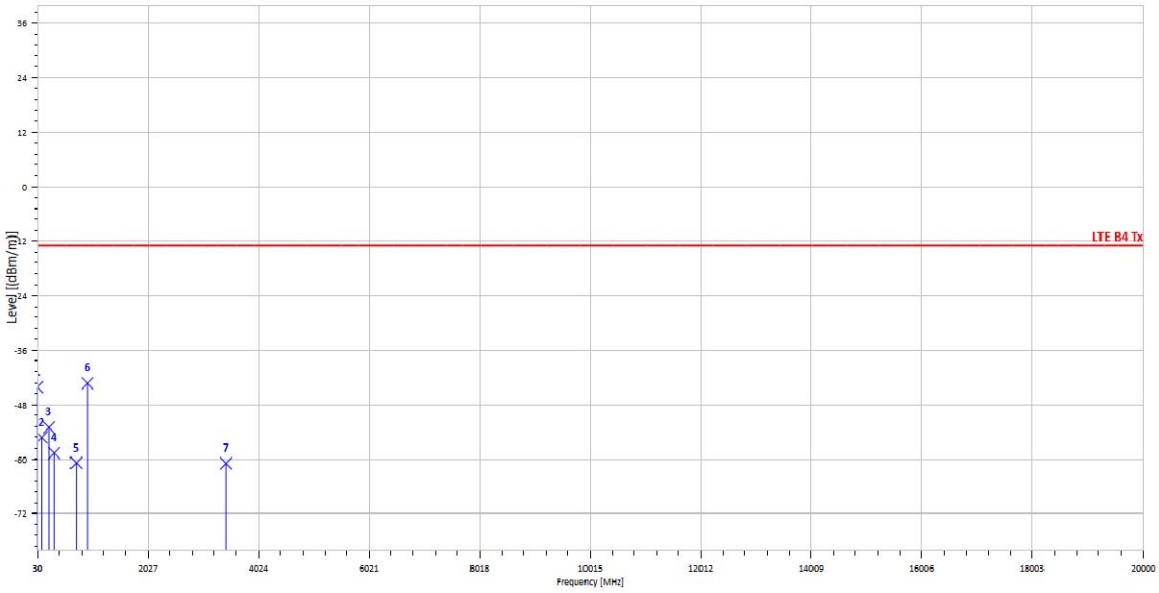
Radiated Spurious Emission Measurement Result: LTE-Band 4 (The Worst Case)

Project No.	E2/2018/70058	Fundamental Frequency	1720 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB4 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
30.97	S	-44.13	-25.51	-18.32	-0.30	-13.00	-31.13
109.99	S	-55.25	-49.41	-5.25	-0.59	-13.00	-42.25
241.47	S	-53.02	-52.80	0.69	-0.92	-13.00	-40.02
336.17	S	-58.66	-58.31	0.76	-1.11	-13.00	-45.66
729.37	S	-60.85	-59.47	0.07	-1.45	-13.00	-47.85
931.13	S	-43.29	-41.68	0.18	-1.79	-13.00	-30.29
3440.00	H	-60.98	-69.60	12.18	-3.56	-13.00	-47.98

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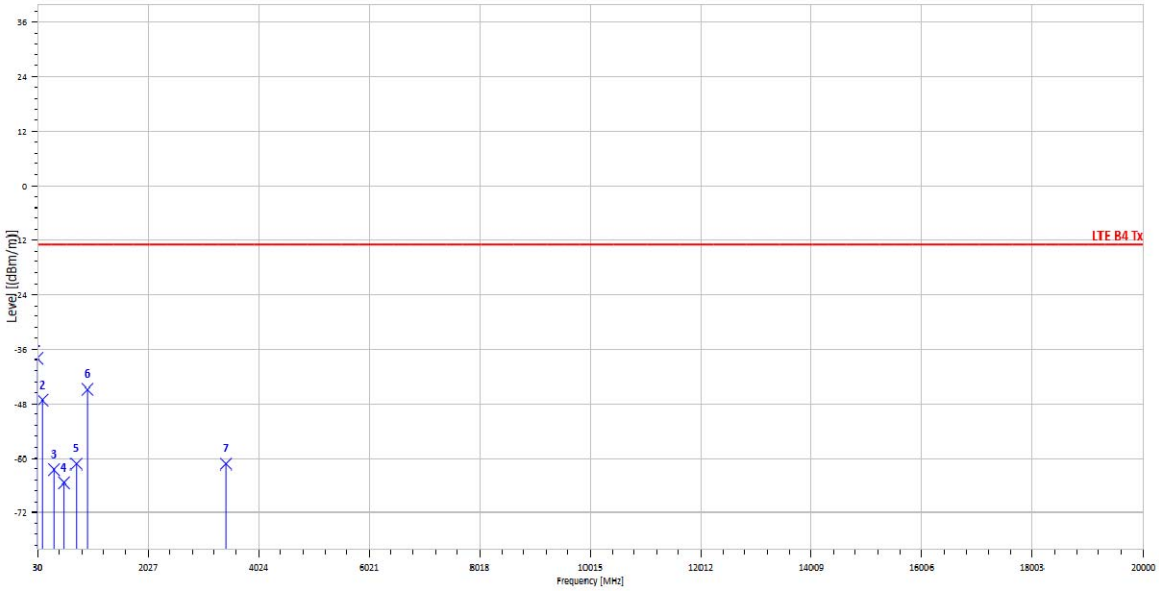
Project No.	E2/2018/70058	Fundamental Frequency	1720 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB4 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
30.97	S	-38.01	-19.38	-18.32	-0.30	-13.00	-25.01
123.12	S	-47.23	-40.95	-5.63	-0.65	-13.00	-34.23
333.61	S	-62.52	-62.16	0.75	-1.11	-13.00	-49.52
517.91	S	-65.41	-64.87	0.80	-1.35	-13.00	-52.41
730.34	S	-61.24	-59.85	0.06	-1.45	-13.00	-48.24
931.13	S	-44.88	-43.27	0.18	-1.79	-13.00	-31.88
3440.00	H	-61.24	-69.86	12.18	-3.56	-13.00	-48.24

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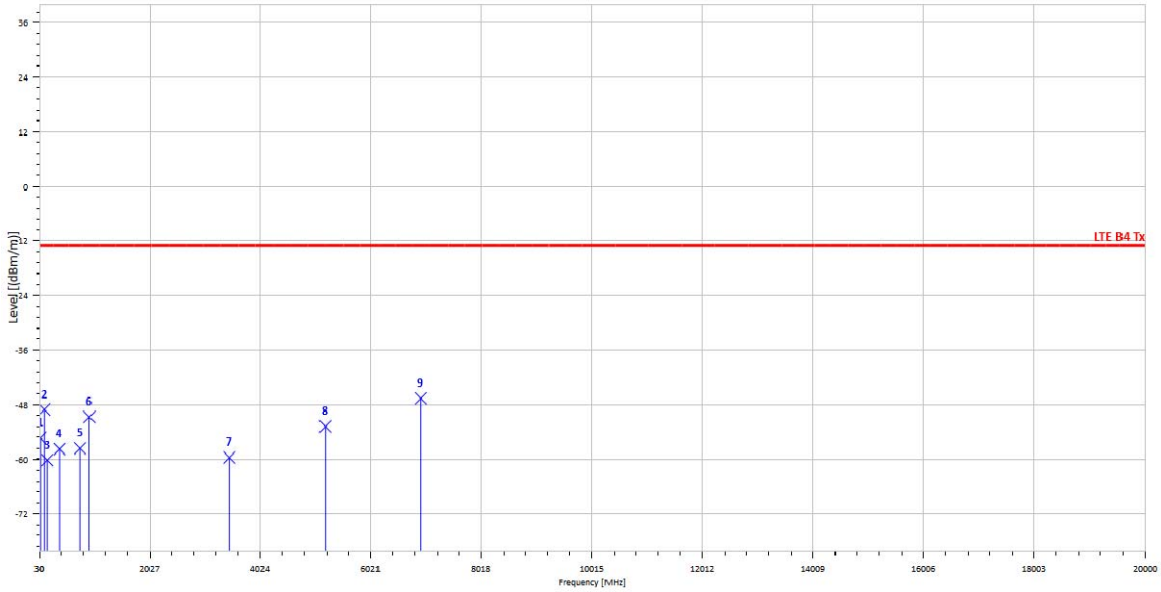
Project No.	E2/2018/70058	Fundamental Frequency	1732.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB4 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
51.34	S	-55.33	-39.79	-15.10	-0.44	-13.00	-42.33
121.18	S	-49.06	-42.77	-5.65	-0.64	-13.00	-36.06
173.56	S	-60.23	-56.07	-3.42	-0.75	-13.00	-47.23
399.57	S	-57.74	-57.20	0.73	-1.28	-13.00	-44.74
773.99	S	-57.58	-55.94	0.01	-1.64	-13.00	-44.58
938.89	S	-50.72	-49.07	0.16	-1.81	-13.00	-37.72
3465.00	H	-59.66	-68.30	12.23	-3.59	-13.00	-46.66
5197.50	H	-52.80	-60.88	12.56	-4.48	-13.00	-39.80
6930.00	H	-46.62	-53.01	11.56	-5.17	-13.00	-33.62

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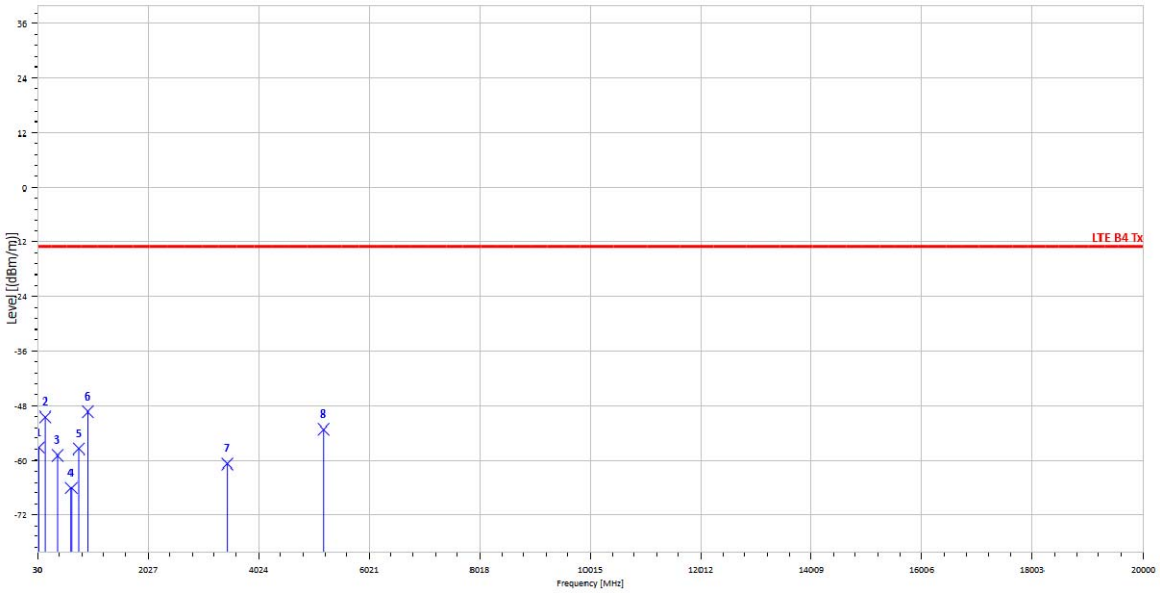
Project No.	E2/2018/70058	Fundamental Frequency	1732.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB4 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
55.22	S	-57.19	-42.52	-14.20	-0.46	-13.00	-44.19
172.59	S	-50.53	-46.20	-3.58	-0.75	-13.00	-37.53
400.54	S	-58.97	-58.42	0.73	-1.28	-13.00	-45.97
642.07	S	-66.08	-64.91	0.23	-1.41	-13.00	-53.08
772.05	S	-57.45	-55.81	-0.01	-1.63	-13.00	-44.45
937.92	S	-49.32	-47.67	0.16	-1.81	-13.00	-36.32
3465.00	H	-60.78	-69.43	12.23	-3.59	-13.00	-47.78
5197.50	H	-53.24	-61.32	12.56	-4.48	-13.00	-40.24

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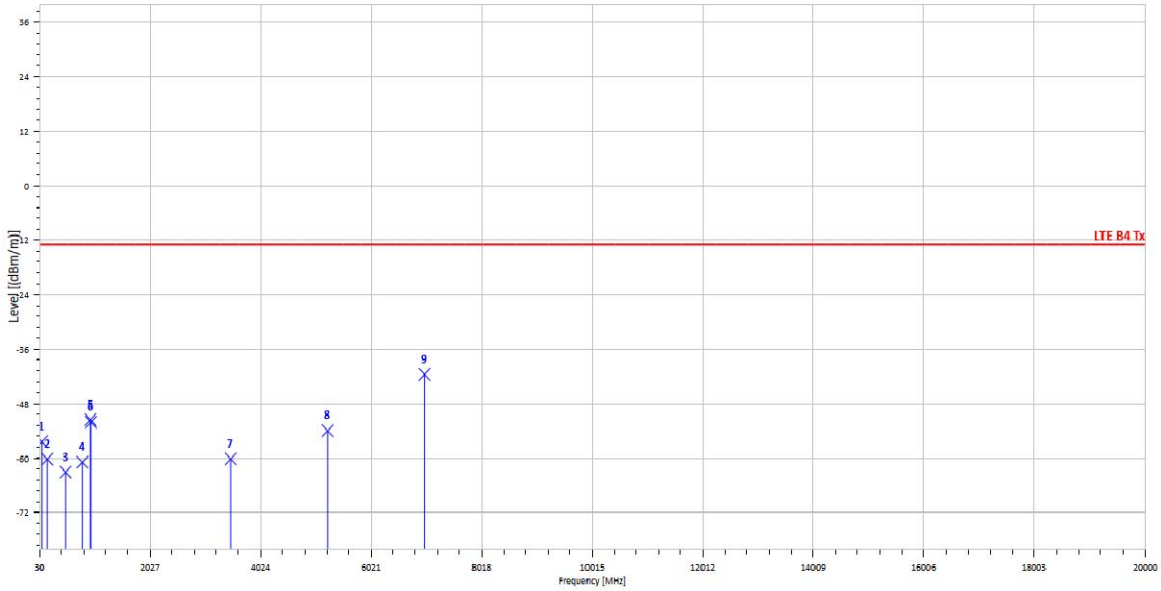
Project No.	E2/2018/70058	Fundamental Frequency	1745 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB4 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
76.56	S	-56.39	-47.90	-7.98	-0.51	-13.00	-43.39
173.56	S	-60.23	-56.07	-3.42	-0.75	-13.00	-47.23
510.15	S	-63.09	-62.51	0.81	-1.38	-13.00	-50.09
799.21	S	-60.91	-59.55	0.23	-1.60	-13.00	-47.91
948.59	S	-51.54	-49.83	0.14	-1.85	-13.00	-38.54
958.29	S	-52.09	-50.43	0.20	-1.87	-13.00	-39.09
3490.00	H	-60.18	-68.90	12.28	-3.56	-13.00	-47.18
5235.00	H	-53.98	-62.07	12.59	-4.50	-13.00	-40.98
6980.00	H	-41.59	-47.85	11.52	-5.26	-13.00	-28.59

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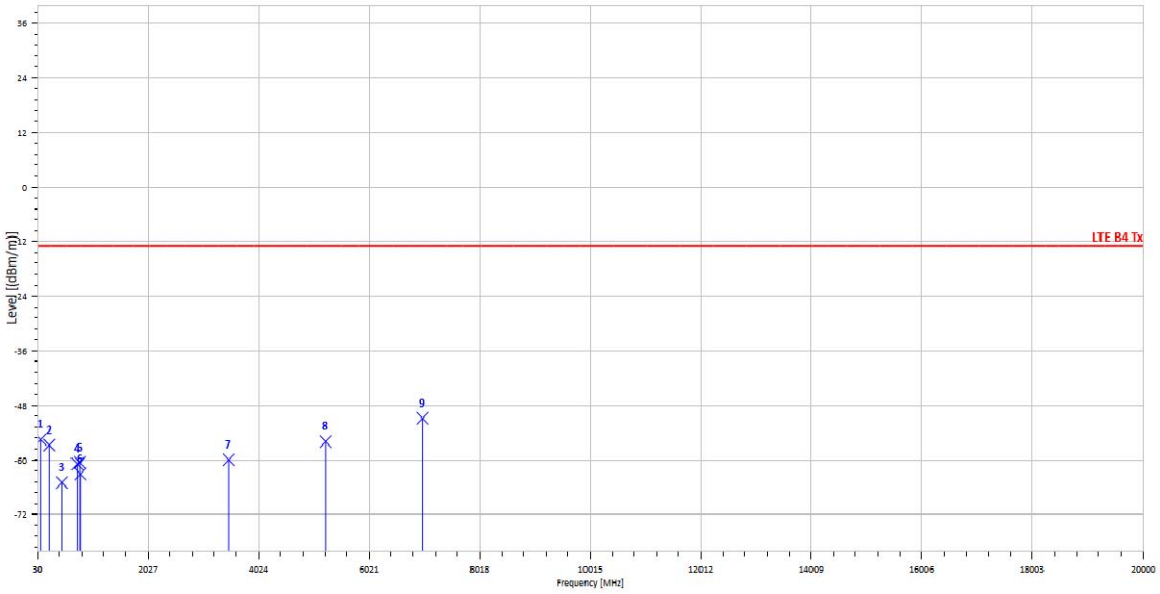
Project No.	E2/2018/70058	Fundamental Frequency	1745 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB4 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
90.14	S	-55.51	-50.79	-4.19	-0.53	-13.00	-42.51
246.31	S	-56.75	-56.56	0.74	-0.93	-13.00	-43.75
479.11	S	-64.97	-64.39	0.75	-1.33	-13.00	-51.97
746.83	S	-60.89	-59.22	-0.18	-1.49	-13.00	-47.89
791.45	S	-60.59	-59.16	0.16	-1.59	-13.00	-47.59
801.15	S	-63.09	-61.73	0.24	-1.60	-13.00	-50.09
3490.00	H	-60.00	-68.71	12.28	-3.56	-13.00	-47.00
5235.00	H	-55.96	-64.06	12.59	-4.50	-13.00	-42.96
6980.00	H	-50.86	-57.12	11.52	-5.26	-13.00	-37.86

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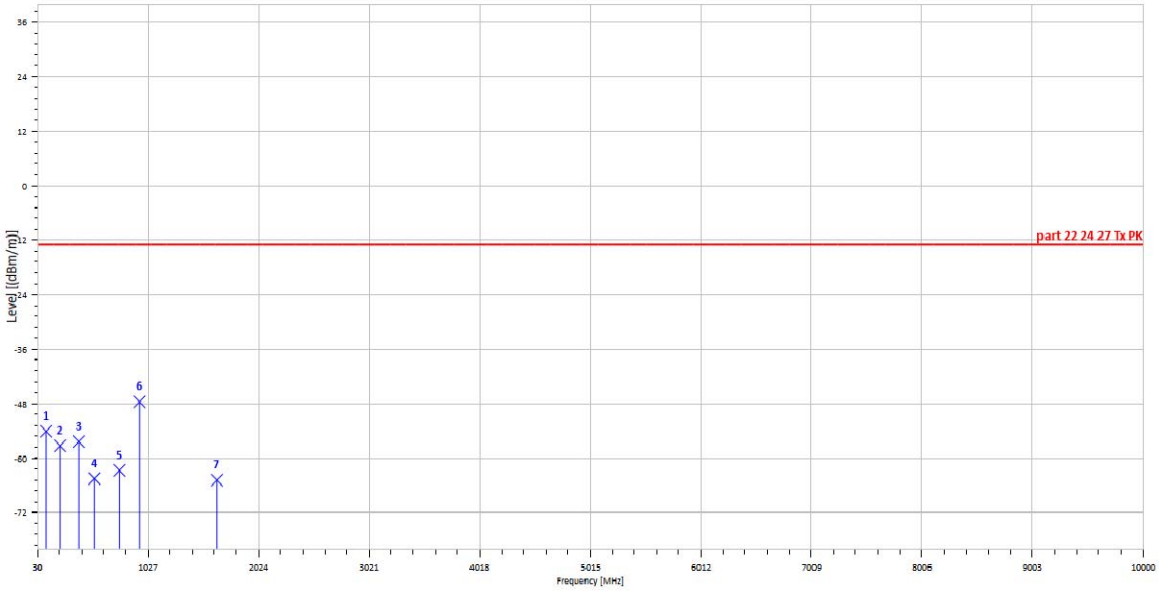
Radiated Spurious Emission Measurement Result: LTE-Band 5 (The Worst Case)

Project No.	E2/2018/70058	Fundamental Frequency	824.7 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB5 1.4M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
109.54	S	-54.10	-46.15	-7.36	-0.59	-13.01	-41.09
237.58	S	-57.29	-55.11	-1.26	-0.92	-13.01	-44.28
400.54	S	-56.36	-53.66	-1.42	-1.28	-13.01	-43.35
543.13	S	-64.49	-61.82	-1.38	-1.29	-13.01	-51.48
773.02	S	-62.69	-58.91	-2.15	-1.63	-13.01	-49.68
948.59	S	-47.60	-43.75	-2.00	-1.85	-13.01	-34.59
1649.40	H	-64.84	-69.23	6.83	-2.44	-13.01	-51.83

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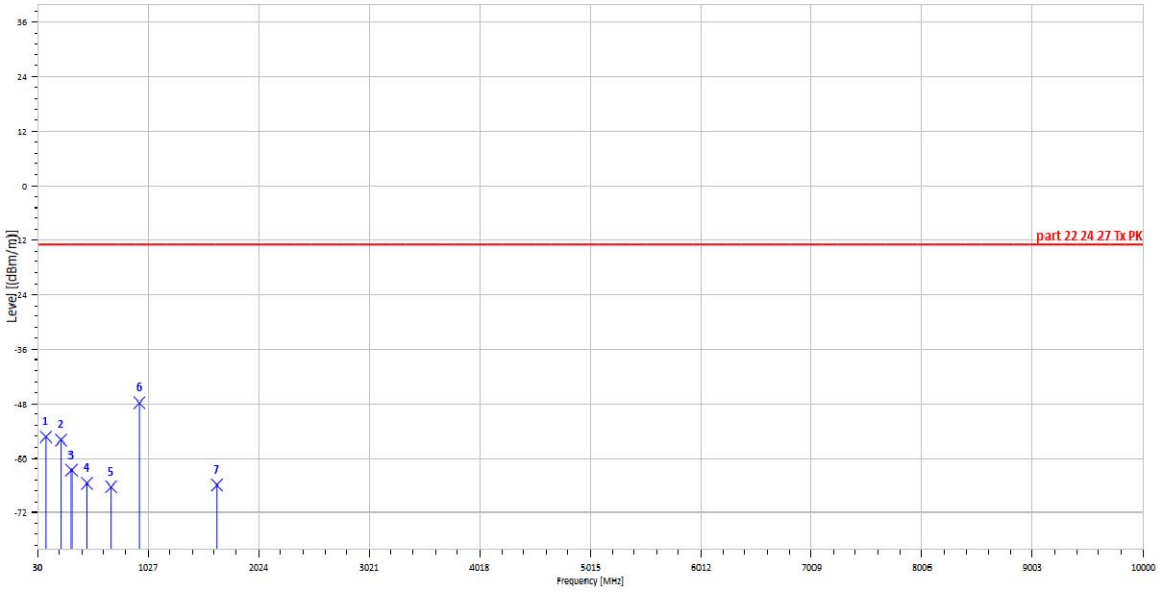
Project No.	E2/2018/70058	Fundamental Frequency	824.7 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description	英業達	Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB5 1.4M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
107.60	S	-55.32	-47.55	-7.19	-0.58	-13.01	-42.31
246.31	S	-56.01	-53.67	-1.41	-0.93	-13.01	-43.00
338.46	S	-62.63	-60.15	-1.38	-1.11	-13.01	-49.62
475.23	S	-65.56	-62.83	-1.42	-1.31	-13.01	-52.55
696.39	S	-66.33	-63.10	-1.69	-1.53	-13.01	-53.32
947.62	S	-47.83	-43.98	-2.00	-1.85	-13.01	-34.82
1649.40	H	-65.94	-70.33	6.83	-2.44	-13.01	-52.93

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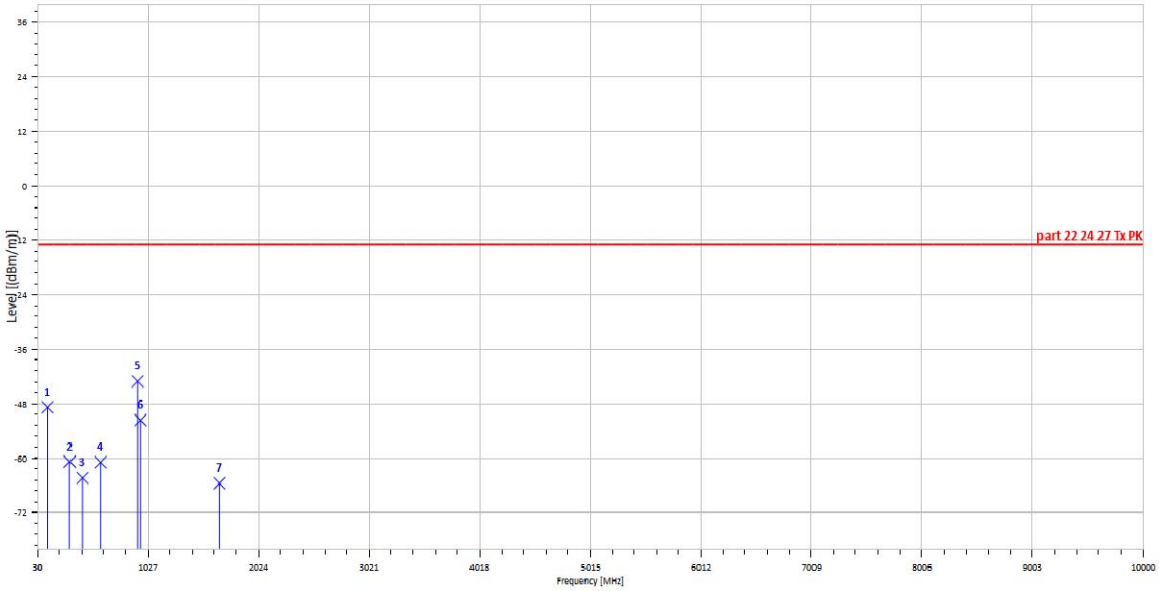
Project No.	E2/2018/70058	Fundamental Frequency	836.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB5 1.4M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
122.15	S	-48.80	-40.37	-7.79	-0.64	-13.01	-35.79
321.97	S	-60.81	-58.23	-1.46	-1.12	-13.01	-47.80
434.49	S	-64.35	-61.65	-1.47	-1.22	-13.01	-51.34
600.36	S	-60.96	-57.50	-2.01	-1.45	-13.01	-47.95
931.13	S	-43.06	-39.30	-1.97	-1.79	-13.01	-30.05
957.32	S	-51.67	-47.85	-1.96	-1.87	-13.01	-38.66
1673.00	H	-65.53	-69.99	6.90	-2.45	-13.01	-52.52

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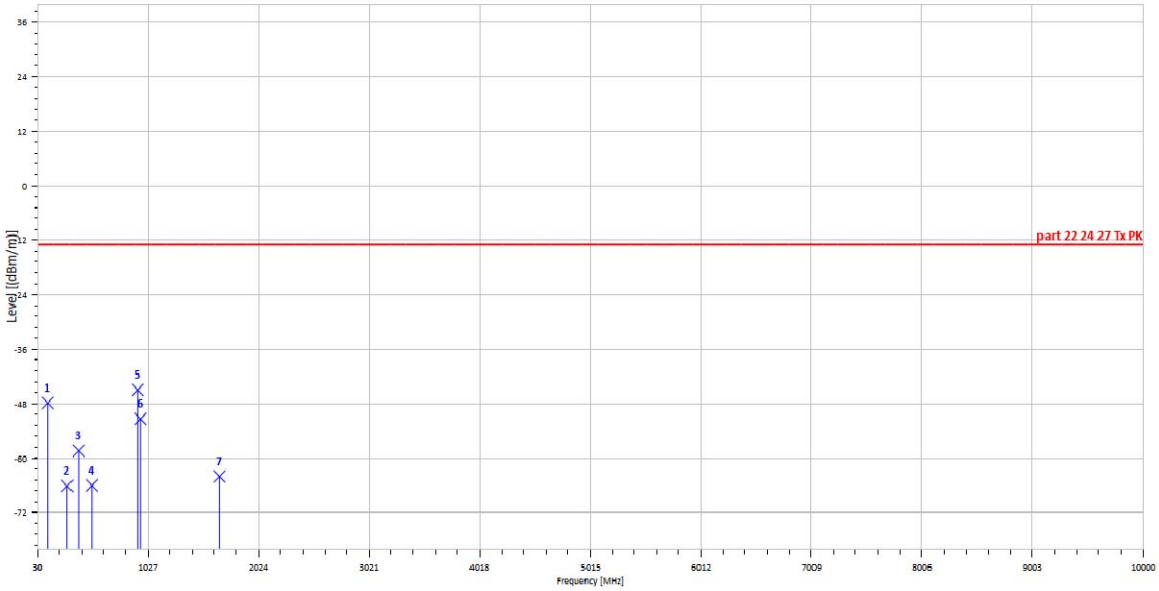
Project No.	E2/2018/70058	Fundamental Frequency	836.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB5 1.4M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
124.09	S	-47.85	-39.43	-7.77	-0.65	-13.01	-34.84
299.66	S	-66.16	-63.54	-1.61	-1.02	-13.01	-53.15
399.57	S	-58.34	-55.65	-1.42	-1.28	-13.01	-45.33
520.82	S	-66.03	-63.34	-1.35	-1.34	-13.01	-53.02
932.10	S	-45.00	-41.24	-1.97	-1.80	-13.01	-31.99
957.32	S	-51.39	-47.57	-1.96	-1.87	-13.01	-38.38
1673.00	H	-64.04	-68.50	6.90	-2.45	-13.01	-51.03

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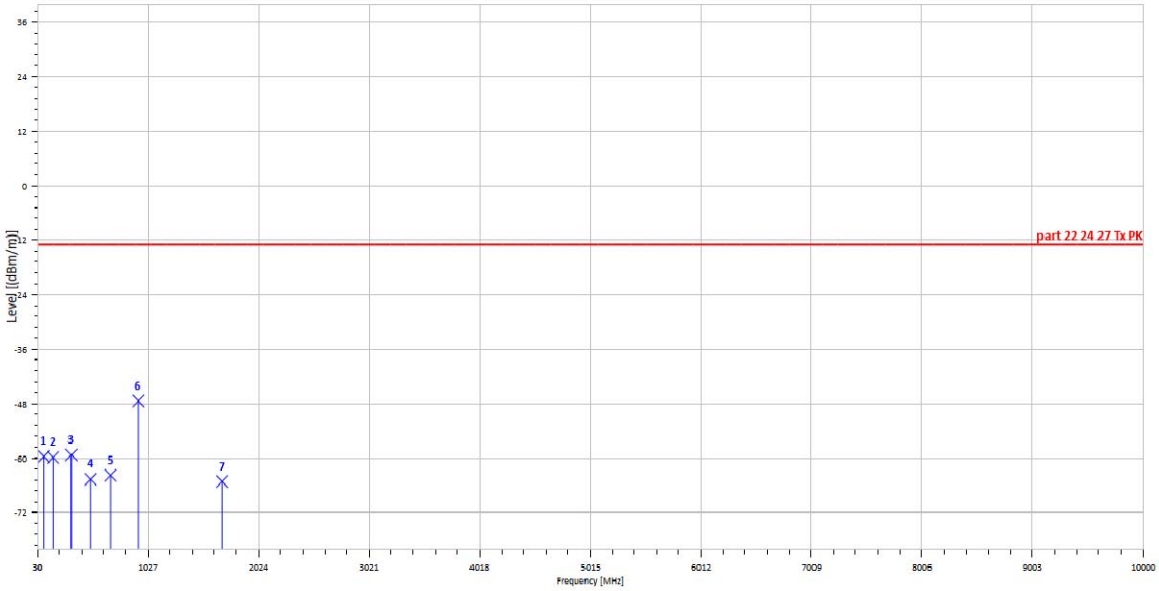
Project No.	E2/2018/70058	Fundamental Frequency	848.3 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB5 1.4M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
88.20	S	-59.63	-52.30	-6.80	-0.53	-13.01	-46.62
173.56	S	-59.86	-53.54	-5.57	-0.75	-13.01	-46.85
336.52	S	-59.30	-56.80	-1.38	-1.11	-13.01	-46.29
508.21	S	-64.65	-61.91	-1.34	-1.39	-13.01	-51.64
691.54	S	-63.78	-60.55	-1.71	-1.52	-13.01	-50.77
937.92	S	-47.39	-43.60	-1.98	-1.81	-13.01	-34.38
1696.60	H	-65.14	-69.63	6.98	-2.49	-13.01	-52.13

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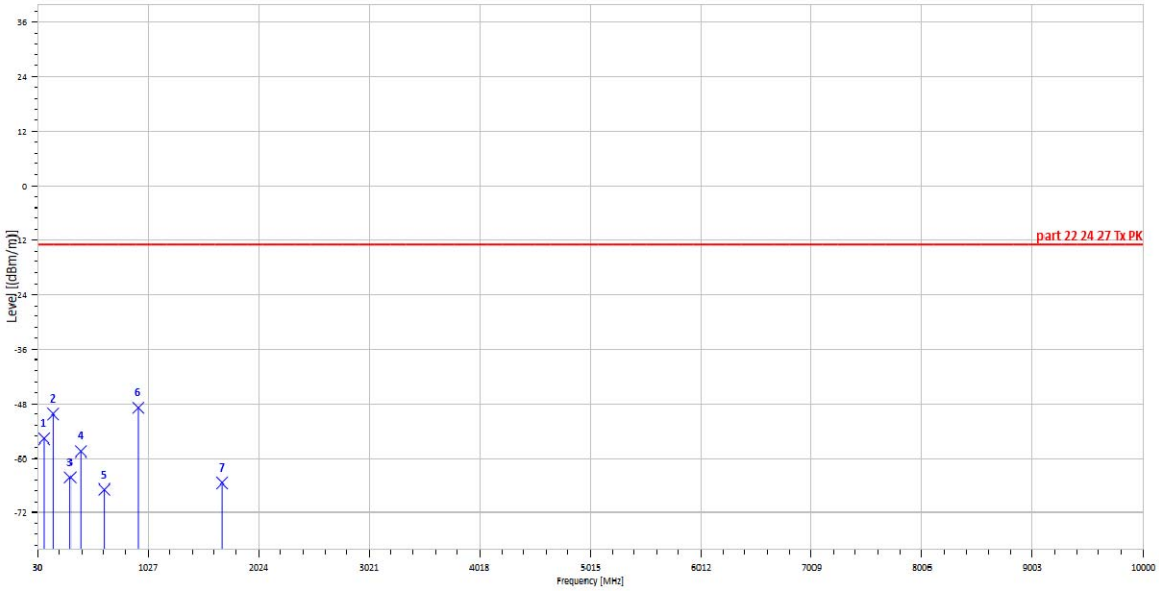
Project No.	E2/2018/70058	Fundamental Frequency	848.3 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB5 1.4M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
91.11	S	-55.70	-48.81	-6.35	-0.53	-13.01	-42.69
173.56	S	-50.27	-43.95	-5.57	-0.75	-13.01	-37.26
325.85	S	-64.24	-61.67	-1.44	-1.13	-13.01	-51.23
419.94	S	-58.51	-55.79	-1.44	-1.28	-13.01	-45.50
634.31	S	-66.94	-63.63	-1.93	-1.38	-13.01	-53.93
937.48	S	-48.91	-45.12	-1.98	-1.81	-13.01	-35.90
1696.60	H	-65.45	-69.94	6.98	-2.49	-13.01	-52.44

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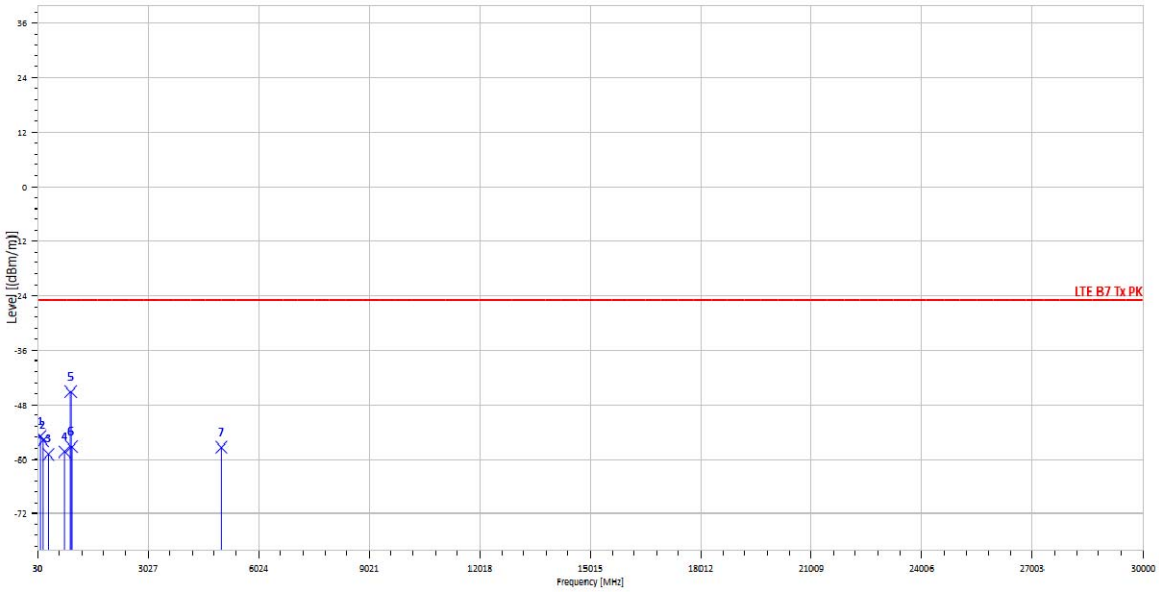
Radiated Spurious Emission Measurement Result: LTE-Band 7 (The Worst Case)

Project No.	E2/2018/70058	Fundamental Frequency	2510 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB7 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
111.48	S	-54.92	-49.01	-5.31	-0.60	-25.00	-29.92
184.23	S	-55.91	-53.63	-1.52	-0.76	-25.00	-30.91
332.64	S	-58.94	-58.57	0.74	-1.12	-25.00	-33.94
775.93	S	-58.35	-56.74	0.02	-1.63	-25.00	-33.35
932.10	S	-45.18	-43.56	0.18	-1.80	-25.00	-20.18
956.35	S	-57.29	-55.61	0.18	-1.87	-25.00	-32.29
5020.00	H	-57.42	-65.43	12.42	-4.40	-25.00	-32.42

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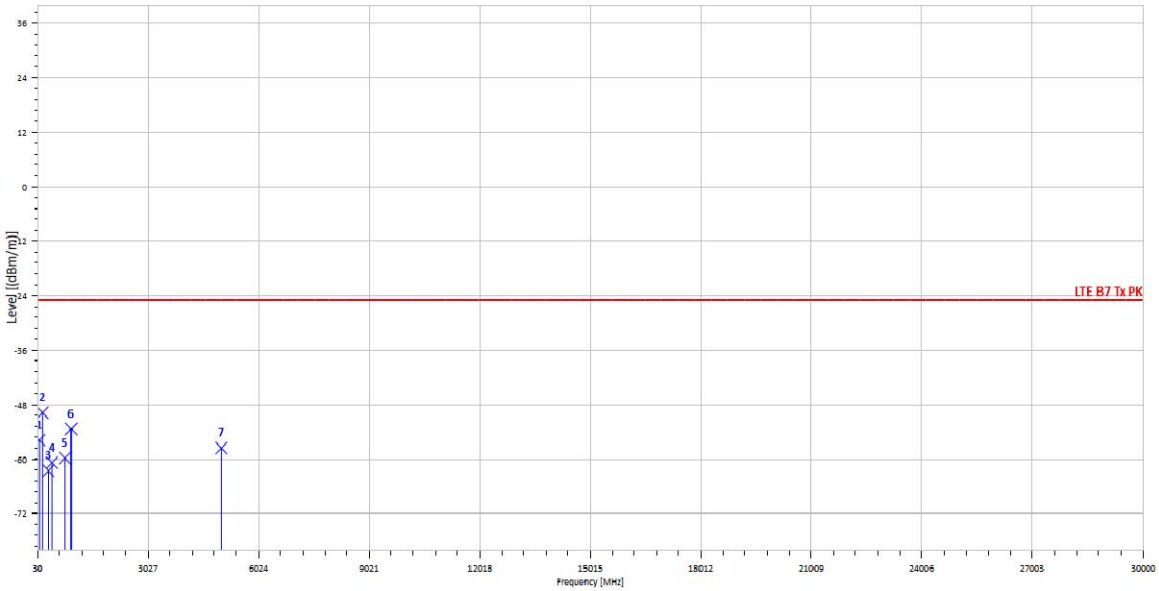
Project No.	E2/2018/70058	Fundamental Frequency	2510 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB7 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
89.17	S	-55.82	-50.89	-4.40	-0.53	-25.00	-30.82
172.59	S	-49.77	-45.44	-3.58	-0.75	-25.00	-24.77
332.64	S	-62.56	-62.19	0.74	-1.12	-25.00	-37.56
428.67	S	-60.80	-60.25	0.69	-1.24	-25.00	-35.80
787.57	S	-59.79	-58.32	0.13	-1.60	-25.00	-34.79
947.62	S	-53.34	-51.64	0.14	-1.85	-25.00	-28.34
5020.00	H	-57.57	-65.59	12.42	-4.40	-25.00	-32.57

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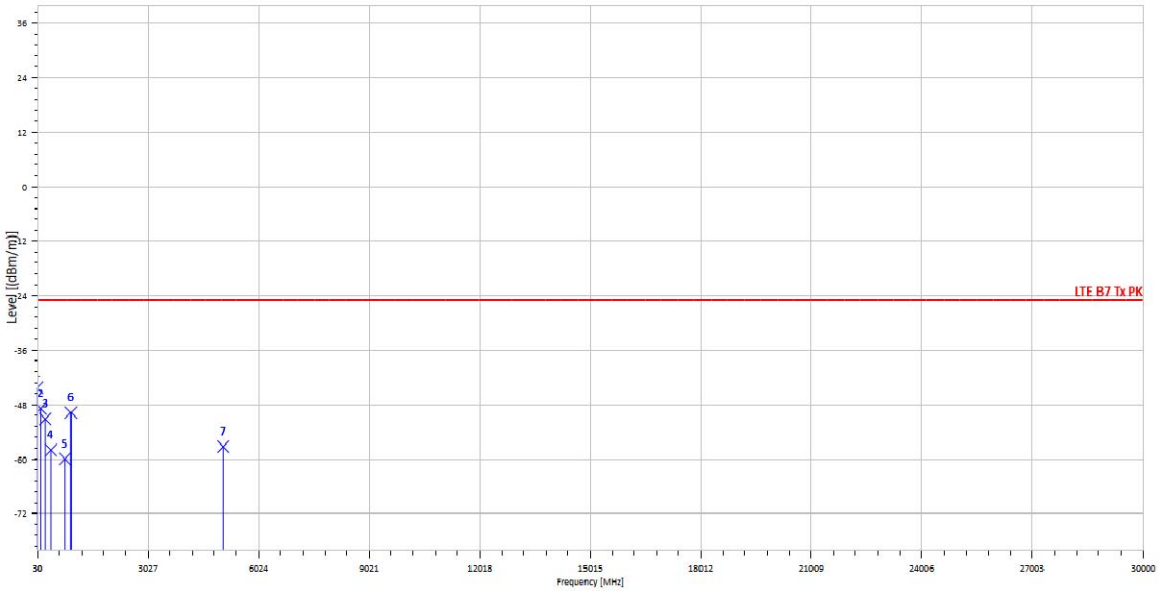
Project No.	E2/2018/70058	Fundamental Frequency	2535 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB7 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
30.97	S	-44.29	-25.67	-18.32	-0.30	-25.00	-19.29
122.15	S	-48.86	-42.58	-5.64	-0.64	-25.00	-23.86
245.34	S	-51.19	-50.99	0.73	-0.93	-25.00	-26.19
400.54	S	-58.02	-57.48	0.73	-1.28	-25.00	-33.02
787.57	S	-59.96	-58.49	0.13	-1.60	-25.00	-34.96
938.89	S	-49.75	-48.10	0.16	-1.81	-25.00	-24.75
5070.00	H	-57.27	-65.31	12.46	-4.42	-25.00	-32.27

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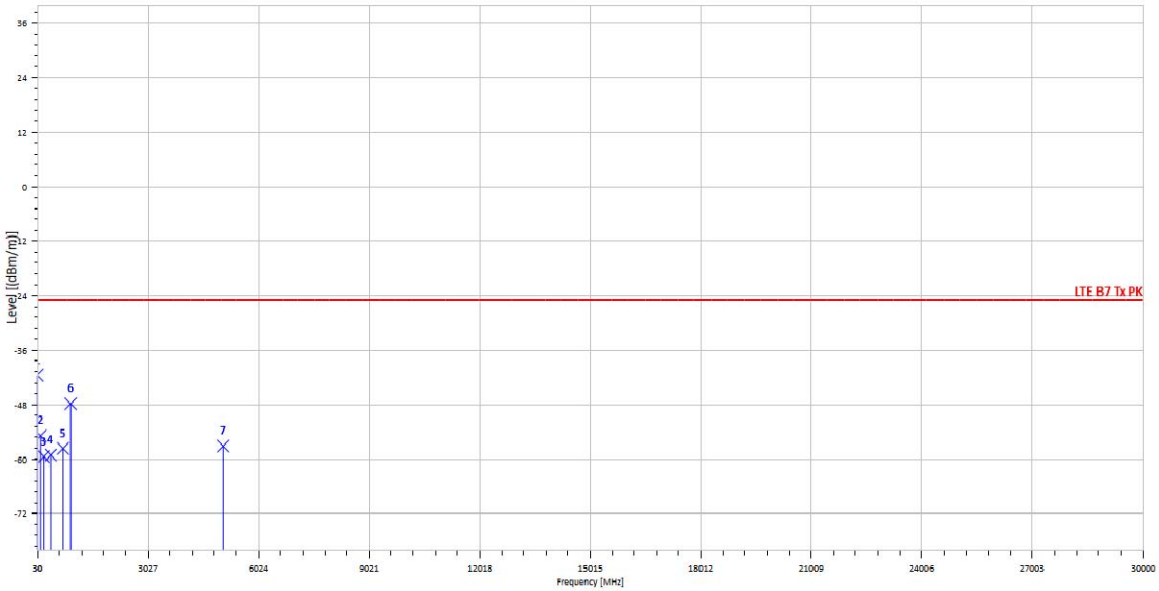
Project No.	E2/2018/70058	Fundamental Frequency	2535 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB7 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
31.94	S	-41.52	-23.05	-18.16	-0.31	-25.00	-16.52
115.36	S	-54.87	-48.79	-5.47	-0.61	-25.00	-29.87
205.57	S	-59.44	-59.43	0.80	-0.82	-25.00	-34.44
399.57	S	-59.10	-58.56	0.73	-1.28	-25.00	-34.10
731.31	S	-57.66	-56.25	0.04	-1.45	-25.00	-32.66
932.10	S	-47.80	-46.18	0.18	-1.80	-25.00	-22.80
5070.00	S	-57.14	-65.17	12.46	-4.42	-25.00	-32.14

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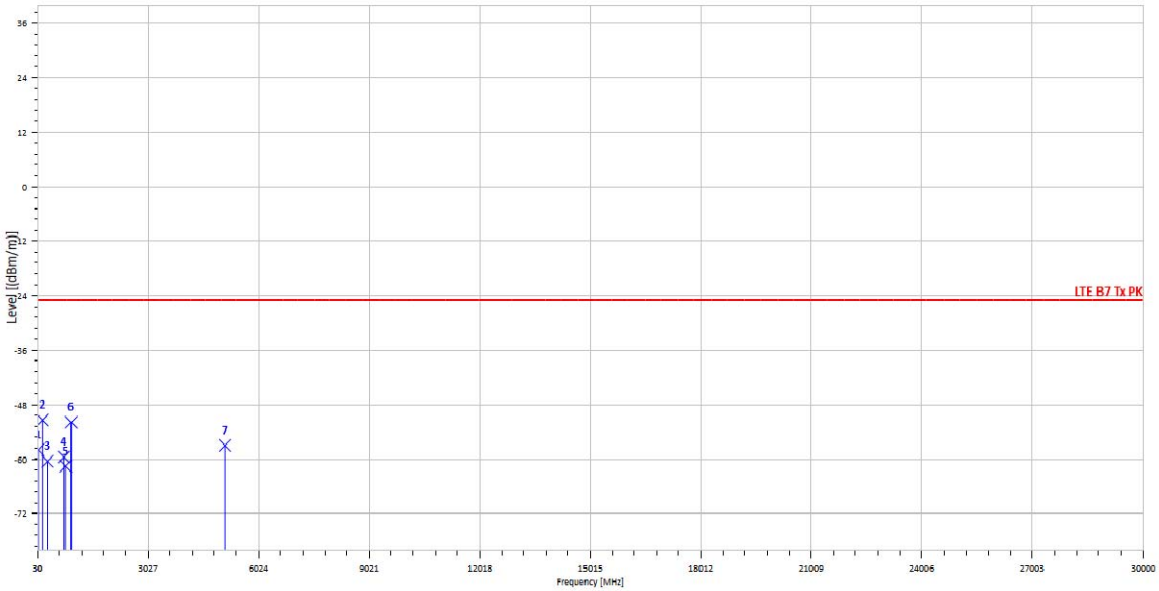
Project No.	E2/2018/70058	Fundamental Frequency	2560 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB7 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
57.16	S	-57.96	-43.74	-13.76	-0.47	-25.00	-32.96
172.59	S	-51.42	-47.09	-3.58	-0.75	-25.00	-26.42
307.42	S	-60.49	-60.04	0.60	-1.05	-25.00	-35.49
759.44	S	-59.53	-57.85	-0.13	-1.56	-25.00	-34.53
802.12	S	-61.54	-60.18	0.24	-1.60	-25.00	-36.54
947.62	S	-51.91	-50.21	0.14	-1.85	-25.00	-26.91
5120.00	H	-56.99	-65.06	12.50	-4.43	-25.00	-31.99

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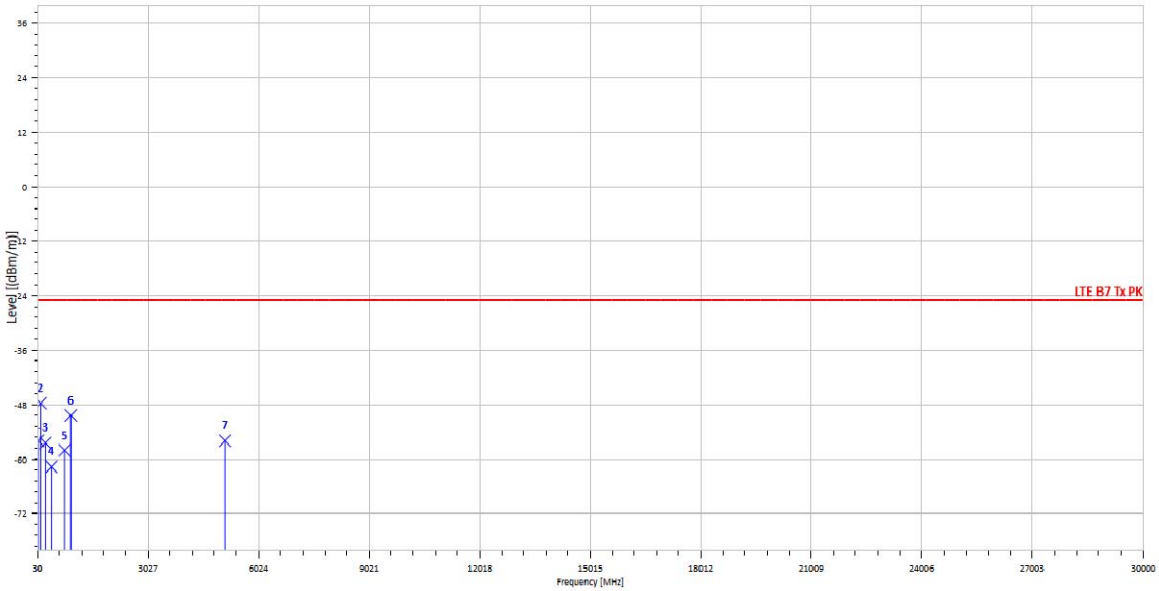
Project No.	E2/2018/70058	Fundamental Frequency	2560 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB7 20M QPSK 1.99	Test Engineer	Jerry



Frequency	Note	EIRP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
56.19	S	-55.92	-41.48	-13.98	-0.46	-25.00	-30.92
123.12	S	-47.70	-41.43	-5.63	-0.65	-25.00	-22.70
251.16	S	-56.44	-56.28	0.77	-0.94	-25.00	-31.44
416.06	S	-61.68	-61.10	0.71	-1.29	-25.00	-36.68
775.93	S	-58.08	-56.47	0.02	-1.63	-25.00	-33.08
936.95	S	-50.39	-48.75	0.17	-1.80	-25.00	-25.39
5120.00	H	-55.95	-64.01	12.50	-4.43	-25.00	-30.95

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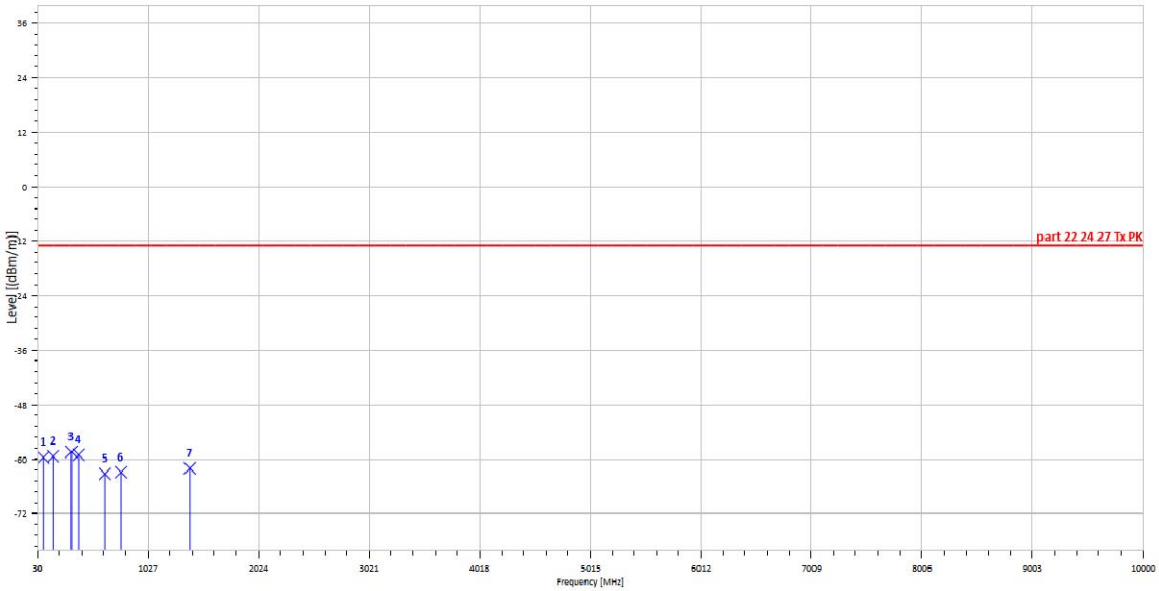
Radiated Spurious Emission Measurement Result: LTE-Band 12 (The Worst Case)

Project No.	E2/2018/70058	Fundamental Frequency	701.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB12 5M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
84.32	S	-59.63	-51.31	-7.80	-0.52	-13.01	-46.62
173.56	S	-59.36	-53.04	-5.57	-0.75	-13.01	-46.35
337.49	S	-58.40	-55.91	-1.38	-1.11	-13.01	-45.39
399.57	S	-59.03	-56.34	-1.42	-1.28	-13.01	-46.02
639.16	S	-63.27	-59.95	-1.92	-1.40	-13.01	-50.26
787.57	S	-62.89	-59.27	-2.02	-1.60	-13.01	-49.88
1403.00	H	-62.00	-65.69	5.92	-2.24	-13.01	-48.99

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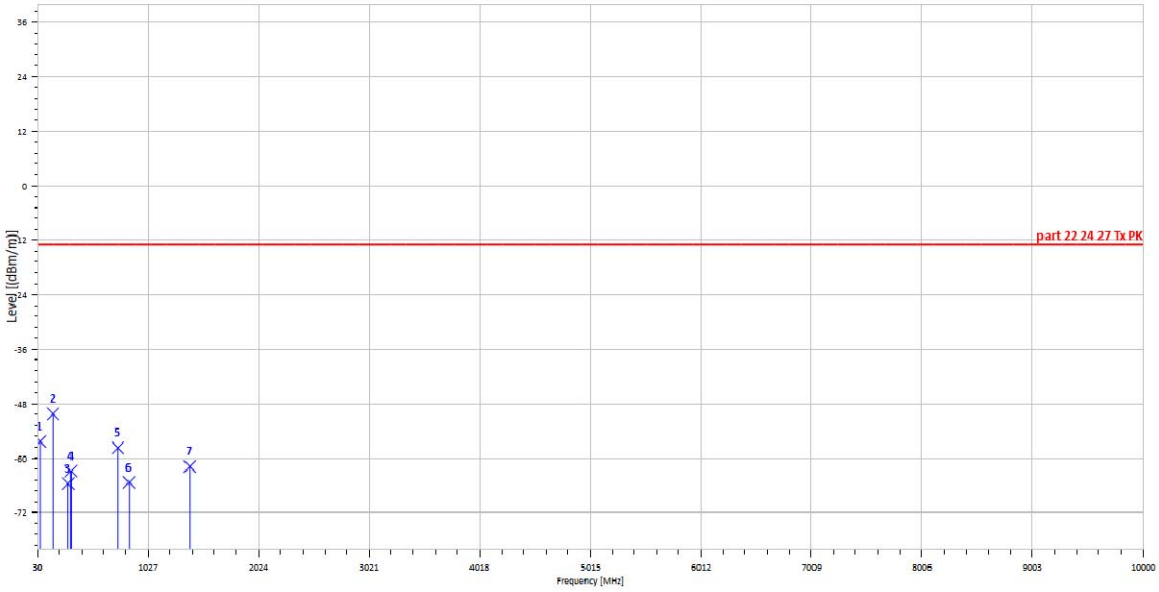
Project No.	E2/2018/70058	Fundamental Frequency	701.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB12 5M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
56.19	S	-56.34	-39.74	-16.13	-0.46	-13.01	-43.33
172.59	S	-50.27	-43.78	-5.73	-0.75	-13.01	-37.26
308.39	S	-65.62	-63.02	-1.55	-1.05	-13.01	-52.61
332.64	S	-62.84	-60.32	-1.40	-1.12	-13.01	-49.83
759.44	S	-57.76	-53.92	-2.28	-1.56	-13.01	-44.75
856.44	S	-65.35	-61.71	-1.95	-1.68	-13.01	-52.34
1403.00	H	-61.83	-65.52	5.92	-2.24	-13.01	-48.82

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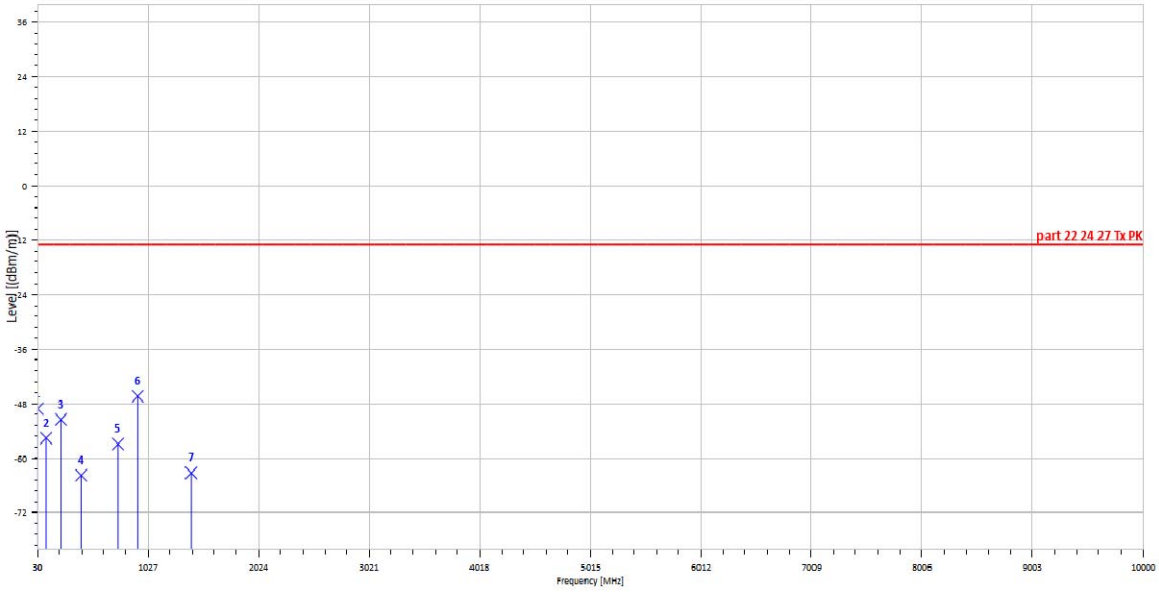
Project No.	E2/2018/70058	Fundamental Frequency	707.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB12 5M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
32.91	S	-49.14	-28.68	-20.15	-0.31	-13.01	-36.13
109.54	S	-55.58	-47.63	-7.36	-0.59	-13.01	-42.57
245.34	S	-51.51	-49.16	-1.42	-0.93	-13.01	-38.50
421.88	S	-63.79	-61.08	-1.45	-1.27	-13.01	-50.78
760.41	S	-56.91	-53.08	-2.27	-1.56	-13.01	-43.90
932.10	S	-46.36	-42.59	-1.97	-1.80	-13.01	-33.35
1415.00	H	-63.27	-66.98	5.98	-2.26	-13.01	-50.26

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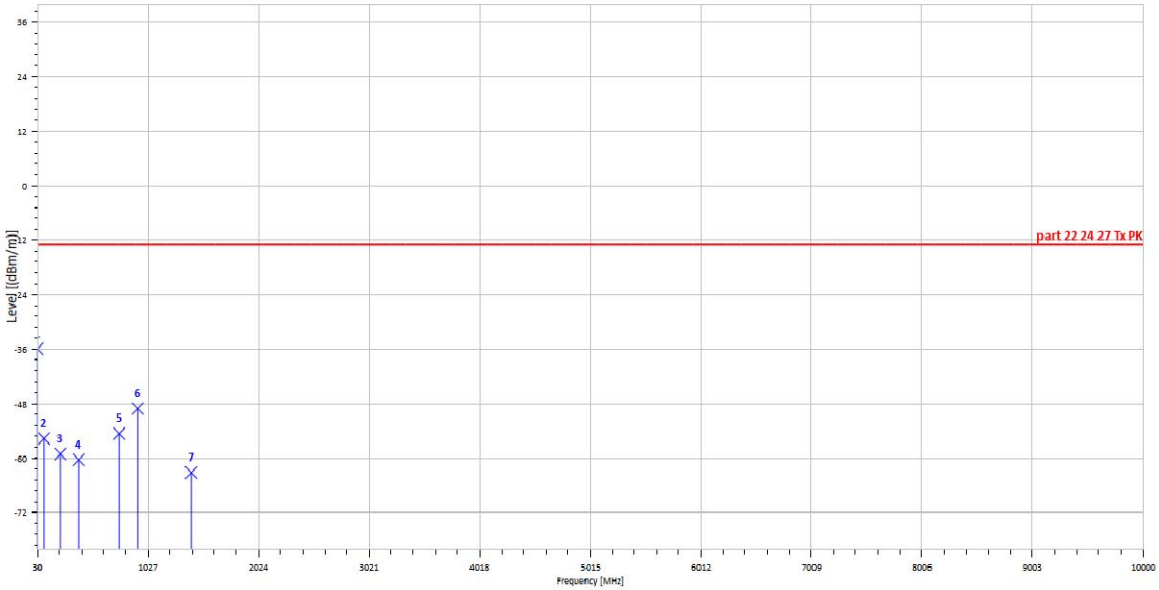
Project No.	E2/2018/70058	Fundamental Frequency	707.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB12 5M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
30.97	S	-35.96	-15.19	-20.47	-0.30	-13.01	-22.95
90.14	S	-55.68	-48.81	-6.34	-0.53	-13.01	-42.67
240.49	S	-59.09	-56.70	-1.46	-0.92	-13.01	-46.08
399.57	S	-60.36	-57.67	-1.42	-1.28	-13.01	-47.35
771.08	S	-54.61	-50.82	-2.17	-1.62	-13.01	-41.60
932.10	S	-49.09	-45.32	-1.97	-1.80	-13.01	-36.08
1415.00	H	-63.20	-66.92	5.98	-2.26	-13.01	-50.19

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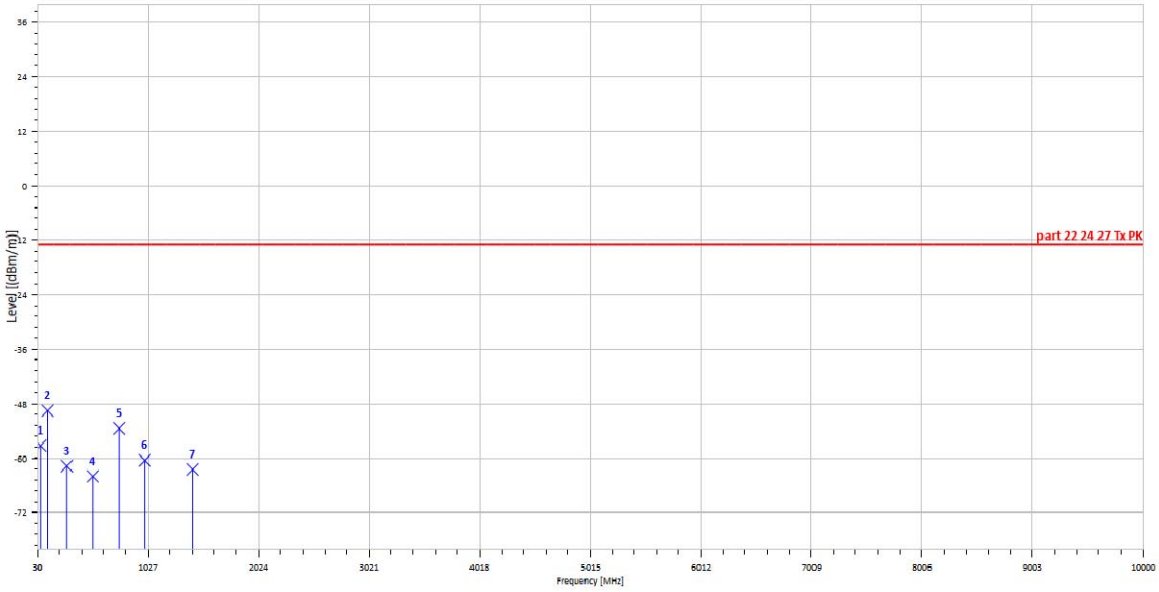
Project No.	E2/2018/70058	Fundamental Frequency	713.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB12 5M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
59.10	S	-57.27	-41.34	-15.46	-0.47	-13.01	-44.26
122.15	S	-49.53	-41.10	-7.79	-0.64	-13.01	-36.52
296.75	S	-61.74	-59.13	-1.60	-1.01	-13.01	-48.73
529.55	S	-64.02	-61.36	-1.36	-1.30	-13.01	-51.01
771.08	S	-53.46	-49.67	-2.17	-1.62	-13.01	-40.45
996.12	S	-60.51	-56.95	-1.71	-1.85	-13.01	-47.50
1427.00	H	-62.49	-66.25	6.03	-2.27	-13.01	-49.48

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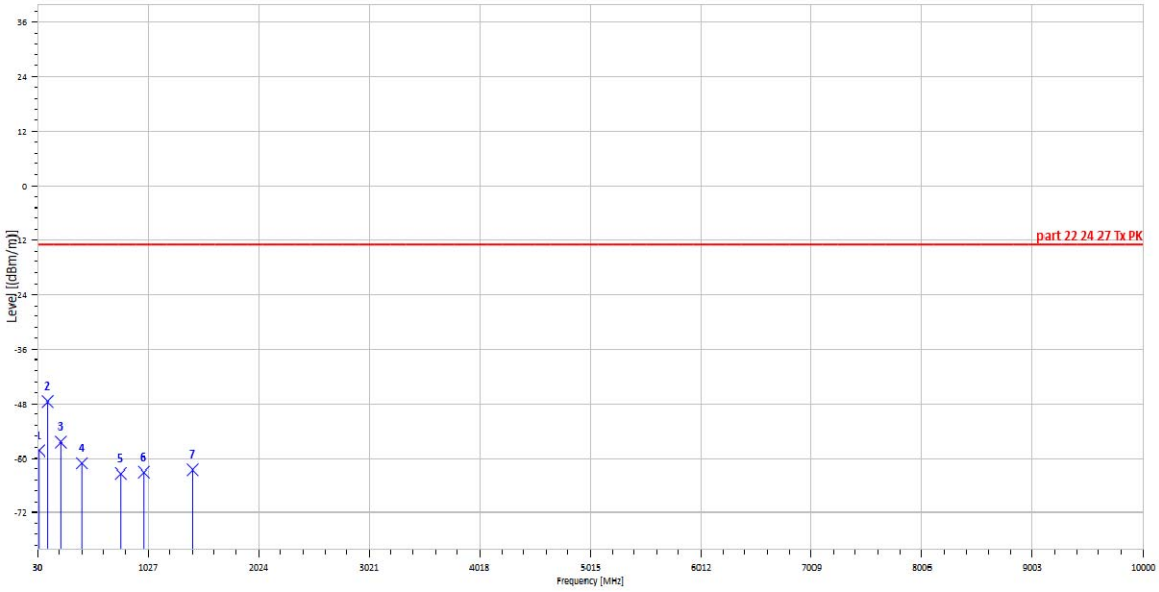
Project No.	E2/2018/70058	Fundamental Frequency	713.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH High
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB12 5M QPSK 1.0	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
45.52	S	-58.31	-39.71	-18.20	-0.40	-13.01	-45.30
123.12	S	-47.57	-39.14	-7.78	-0.65	-13.01	-34.56
244.37	S	-56.47	-54.11	-1.42	-0.93	-13.01	-43.46
428.67	S	-61.13	-58.42	-1.46	-1.24	-13.01	-48.12
785.63	S	-63.43	-59.78	-2.04	-1.61	-13.01	-50.42
988.36	S	-63.12	-59.51	-1.76	-1.85	-13.01	-50.11
1427.00	H	-62.57	-66.32	6.03	-2.27	-13.01	-49.56

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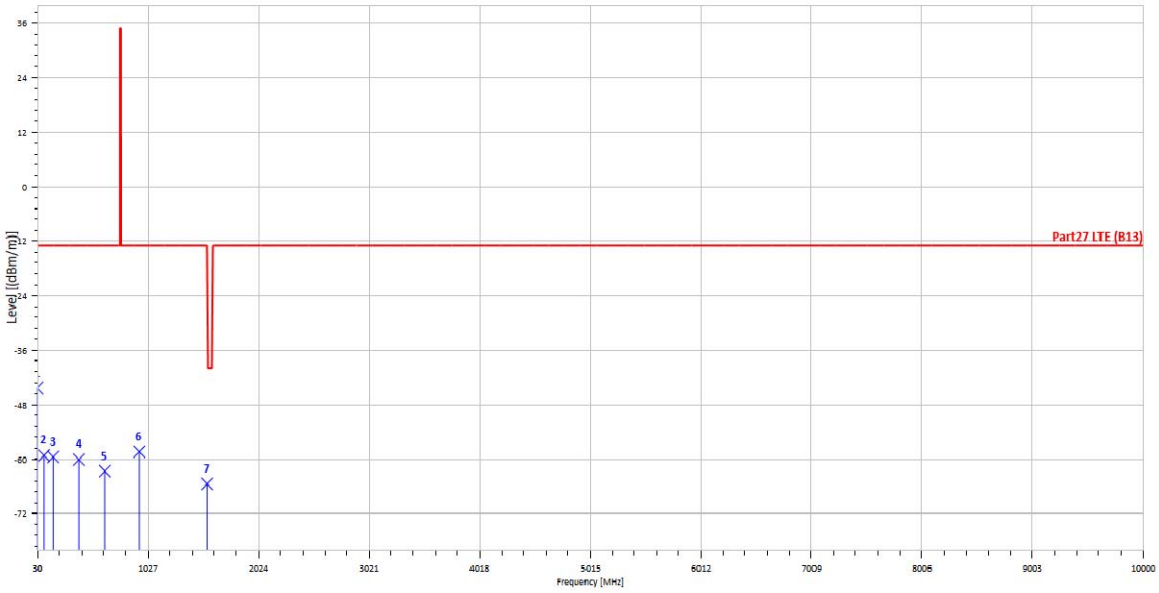
Radiated Spurious Emission Measurement Result: LTE-Band 13 (The Worst Case)

Project No.	E2/2018/70058	Fundamental Frequency	779.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB13 5M QPSK 1.24	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
30.97	S	-44.34	-23.57	-20.47	-0.30	-13.00	-31.34
90.14	S	-59.18	-52.32	-6.34	-0.53	-13.00	-46.18
173.56	S	-59.51	-53.19	-5.57	-0.75	-13.00	-46.51
400.54	S	-60.11	-57.42	-1.42	-1.28	-13.00	-47.11
638.19	S	-62.64	-59.33	-1.92	-1.39	-13.00	-49.64
946.65	S	-58.35	-54.51	-2.00	-1.84	-13.00	-45.35
1559.00	H	-65.46	-69.61	6.54	-2.38	-40.00	-25.46

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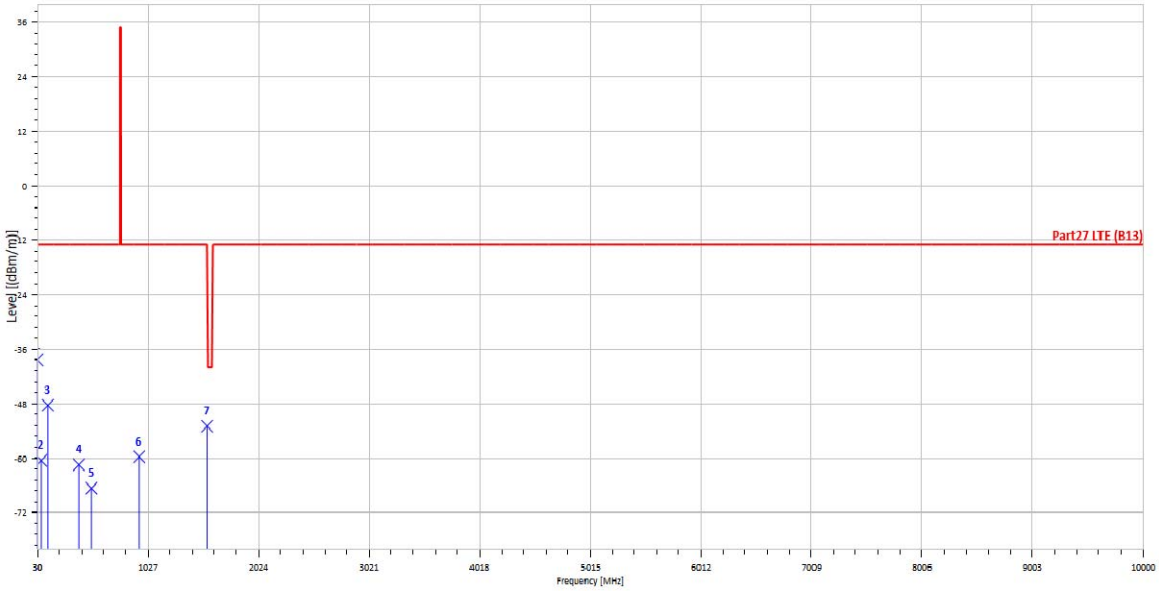
Project No.	E2/2018/70058	Fundamental Frequency	779.5 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Low
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB13 5M QPSK 1.24	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
30.97	S	-38.37	-17.60	-20.47	-0.30	-13.00	-25.37
64.92	S	-60.52	-46.16	-13.87	-0.48	-13.00	-47.52
125.06	S	-48.37	-39.96	-7.76	-0.66	-13.00	-35.37
400.54	S	-61.44	-58.75	-1.42	-1.28	-13.00	-48.44
515.97	S	-66.66	-63.96	-1.35	-1.36	-13.00	-53.66
945.68	S	-59.69	-55.86	-2.00	-1.84	-13.00	-46.69
1559.00	H	-52.94	-57.10	6.54	-2.38	-40.00	-12.94

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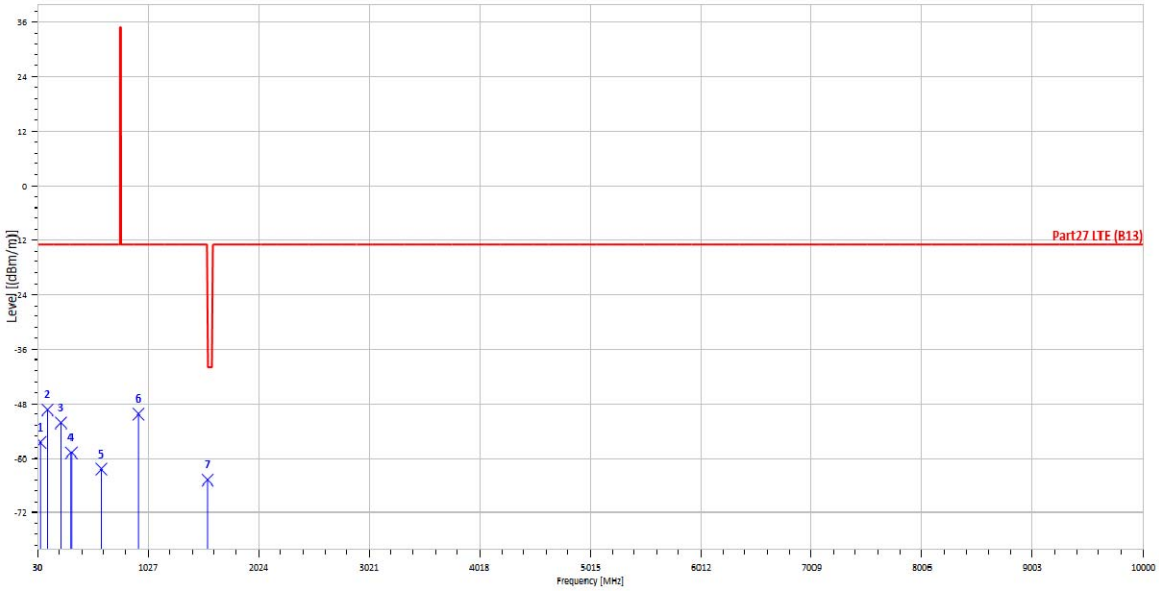
Project No.	E2/2018/70058	Fundamental Frequency	782 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Vertical
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB13 5M QPSK 1.24	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
58.13	S	-56.54	-40.39	-15.68	-0.47	-13.00	-43.54
122.15	S	-49.36	-40.93	-7.79	-0.64	-13.00	-36.36
245.34	S	-52.19	-49.85	-1.42	-0.93	-13.00	-39.19
336.52	S	-58.81	-56.31	-1.38	-1.11	-13.00	-45.81
607.15	S	-62.39	-58.98	-1.99	-1.42	-13.00	-49.39
938.89	S	-50.31	-46.51	-1.98	-1.81	-13.00	-37.31
1564.00	H	-64.80	-68.97	6.55	-2.39	-40.00	-24.80

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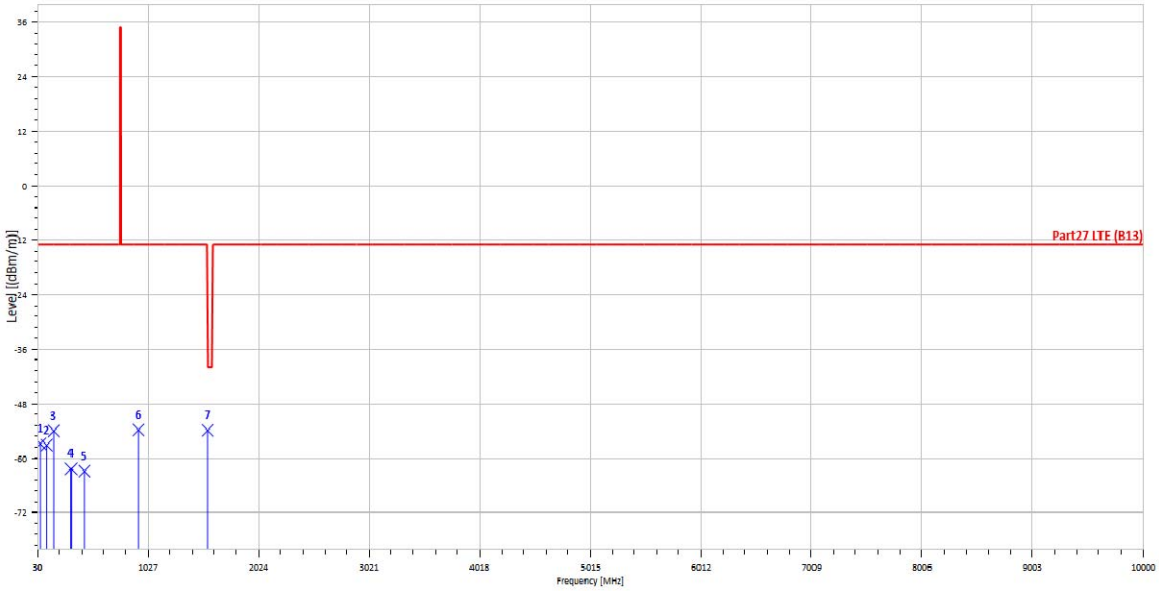
Project No.	E2/2018/70058	Fundamental Frequency	782 MHz
IMEI No.	359324080457857	Operation Band	Tx CH Mid
EUT Description		Temp. / Humi.	22.7deg_C/57RH
EUT Model	HSN-I20C [Blurr] (WWAN_L850-GL(Pandora) SKU4)	Measurement Antenna Pol.	Horizontal
EUT Name	Notebook Computer	EUT Pol.	E2
Operation Mode	LTEB13 5M QPSK 1.24	Test Engineer	Jerry



Frequency	Note	ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
57.16	S	-56.87	-40.50	-15.90	-0.47	-13.00	-43.87
114.39	S	-57.17	-48.98	-7.58	-0.61	-13.00	-44.17
179.38	S	-54.01	-48.67	-4.59	-0.75	-13.00	-41.01
334.58	S	-62.35	-59.85	-1.39	-1.11	-13.00	-49.35
451.95	S	-62.87	-60.16	-1.51	-1.20	-13.00	-49.87
938.89	S	-53.79	-49.99	-1.98	-1.81	-13.00	-40.79
1564.00	H	-53.89	-58.06	6.55	-2.39	-40.00	-13.89

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